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ABSTRACT

This report presents enrollment data for institutions of higher education in the 50 states and the District of Columbia from the "Fall Enrollment" survey which is part of the Integrated Postsecondary Education Data System survey administered by the National Center for Education Statistics. The first set of tables presents enrollment statistics in higher education for the fall of 1989 by selected institutional and student characteristics. The second set of tables displays state enrollment data for selected years, as well as current statistics, by type and control of institution and sex of student. The introduction presents highlights of the findings. Among these are findings showing that, since 1988, there have been: a 3 percent increase in higher education enrollment; a 2 percent increase in private school enrollment; a 3 percent increase in public school enrollment; and a drop of 1.8 percent in enrollment of first-time freshmen with a greater decrease for women than for men; however, the number of women in postbaccalaureate programs increased more than the number of men in such programs). Appendix A presents enrollment data by age of students along with a discussion of possible questions regarding the validity of such data. Appendix B discusses survey methodology and provides related tables. Appendix C is a glossary. (JB)

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Enrollment in Higher Education, Fall 1989

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E.D.TABS July 1991

Enrollment in Higher Education, Fall 1989

Nancy Borkow Schantz
Mark J. Pluta
Postsecondary Education Statistics Division

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July 1991

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Introduction

This E.D. TABS presents findings from the "Fall Enrollment" survey which is part of the Integrated Postsecondary Education Data System (IPEDS) survey administered by the National Center for Education Statistics (NCES). IPEDS provides comprehensive and consistent data representing colleges and universities, as well as all postsecondary institutions in the United States and the Outlying Areas.

The purpose of this E.D. TABS is to present enrollment data for institutions of higher education in the 50 states and the District of Columbia. The first set of tables presents enrollment statistics in higher education for the fall of 1989, by selected institutional and student characteristics. The second set of tables displays state enrollment data for selected years, as well as current statistics, by type and control of institution and sex of student. Age data are presented in appendix A. The reader is cautioned that the high proportion of "age unknown" data raises questions regarding the validity of the age data. See appendix A for a further discussion of methodological issues related to the age data.

Highlights

- About 13.5 million students were enrolled in the nation's more than 3,500 institutions of higher education in the fall of 1989; representing a 3 percent increase in higher education enrollment since 1988 (table 1).

- Approximately 10.5 million students were enrolled in public institutions in 1989. This reflects a 4 percent increase in total public school enrollment from the previous year. About 3.0 million students were enrolled in private institutions during this time, representing a 2 percent increase from the previous year (table 1).

- Of the 8.4 million students enrolled in 4-year institutions of higher education in the fall of 1989, about 32 percent attended private institutions. Of the 5.1 million students in 2-year institutions, about 5 percent were enrolled in private institutions (table 1).

- About 2.3 million first-time freshmen were enrolled in higher education in the fall of 1989. This reflects a slight drop (1.8 percent) in enrollment of first-time freshmen since 1988.

- While the drop in first-time freshman enrollment occurred among both men and women, the decrease was greater for women than for men (2.6 percent and 0.9 percent, respectively, table 3).

- Fifty percent of all first-time freshmen were enrolled in 2-year institutions of higher education, and roughly 90 percent of those enrolled in 2-year schools were enrolled in public institutions. About 65 percent of first-time freshmen enrolled in 4-year institutions were enrolled in public institutions (table 3).

- Postbaccalaureate enrollment in higher education increased approximately 3 percent, with enrollment reaching close to 2 million students in the fall of 1989. While the number of men enrolled in postbaccalaureate programs increased slightly (1.5 percent), the number of women enrolled showed a larger increase (4.6 percent, table 4).

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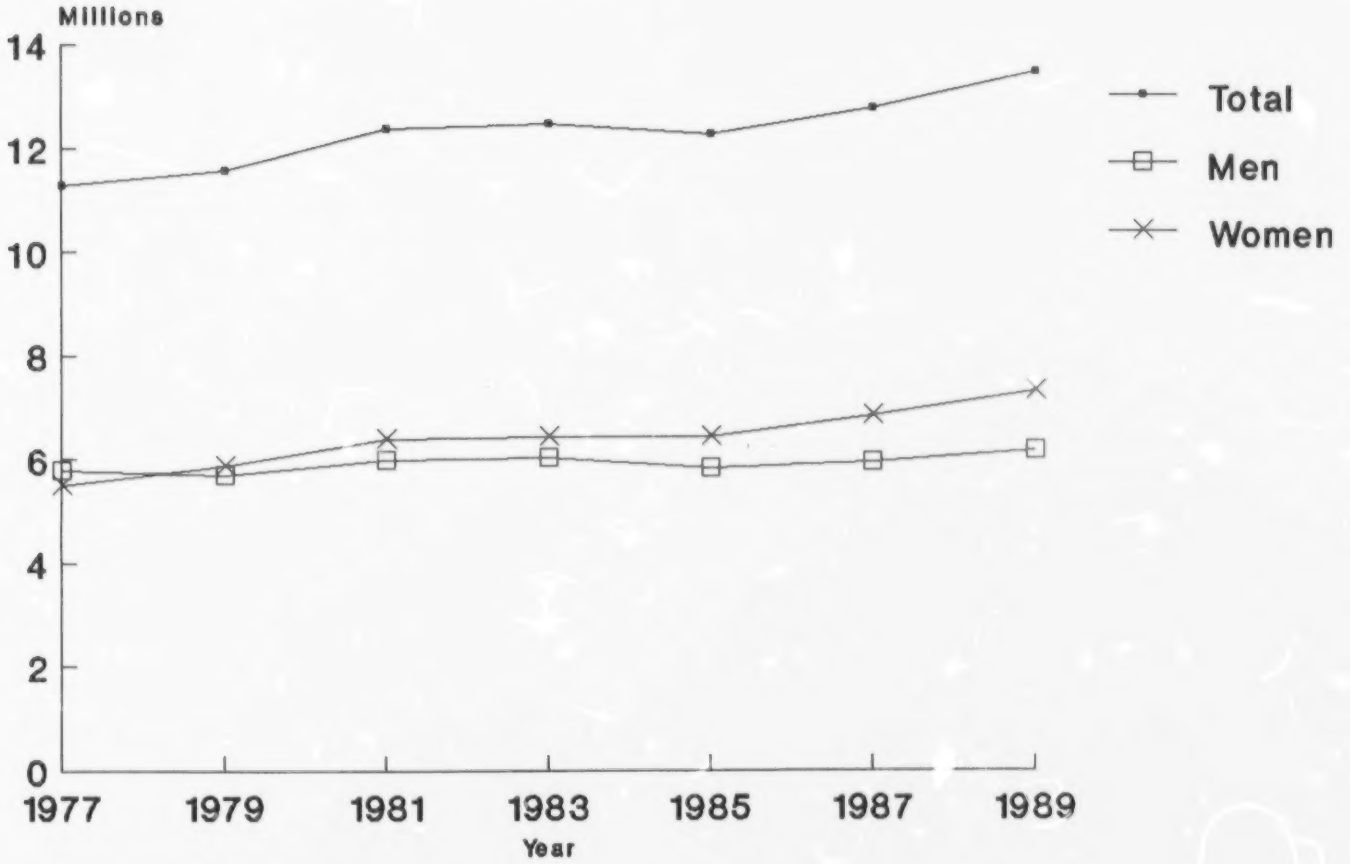
Figure 1--Enrollment in higher education, by total enrollment and sex of student: Fall 1977-1989



Source: U.S. Department of Education, National Center for Education Statistics "Fall Enrollment" surveys, selected year

Table 1.--Enrollment in institutions of higher education, by attendance status, sex, type, and control of institution: 50 states and D.C., fall 1988-1989

Type and control of institution	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total									
1988	13,043,118	5,998,204	7,044,914	7,430,471	3,660,110	3,770,361	5,612,647	2,338,094	3,274,553
1989	13,457,855	6,155,484	7,302,371	7,627,172	3,727,823	3,899,349	5,830,683	2,427,661	3,403,022
Percent change	3.2	2.6	3.7	2.6	1.9	3.4	3.9	3.8	3.9
4-year									
1988	8,175,008	3,912,277	4,262,731	5,688,311	2,842,564	2,845,747	2,486,697	1,069,713	1,416,984
1989	8,374,394	3,968,627	4,405,767	5,795,330	2,867,131	2,928,199	2,579,064	1,101,496	1,477,568
Percent change	2.4	1.4	3.4	1.9	0.9	2.9	3.7	3.0	4.3
Public									
1988	5,543,987	2,632,528	2,911,459	3,838,676	1,909,282	1,929,394	1,705,311	723,246	982,065
1989	5,694,202	2,680,946	3,013,256	3,934,197	1,937,785	1,996,412	1,760,005	743,161	1,016,844
Percent change	2.7	1.8	3.5	2.5	1.5	3.5	3.2	2.8	3.5
Private total									
1988	2,631,021	1,279,749	1,351,272	1,849,635	933,282	916,353	781,386	346,467	434,919
1989	2,680,192	1,287,681	1,392,511	1,861,133	929,346	931,787	819,059	358,335	460,724
Percent change	1.9	0.6	3.1	0.6	-0.4	1.7	4.8	3.4	5.9
Private, nonprofit									
1988	2,578,317	1,244,704	1,333,613	1,808,274	904,587	903,687	770,043	340,117	429,926
1989	2,627,651	1,254,322	1,373,329	1,821,821	903,208	918,613	805,830	351,114	454,716
Percent change	1.9	0.8	3.0	0.7	-0.2	1.7	4.6	3.2	5.8
Private, for-profit									
1988	52,704	35,045	17,659	41,361	28,695	12,666	11,343	6,350	4,993
1989	52,541	33,359	19,182	39,312	26,138	13,174	13,229	7,221	6,008
Percent change	-0.3	-4.8	8.6	-5.0	-8.9	4.0	16.6	13.7	20.3
2-year *									
1988	4,868,110	2,085,927	2,782,183	1,742,160	817,546	924,614	3,125,950	1,268,381	1,857,569
1989	5,083,461	2,186,857	2,896,604	1,831,842	860,692	971,150	3,251,619	1,326,165	1,925,454
Percent change	4.4	4.8	4.1	5.1	5.3	5.0	4.0	4.6	3.7
Public									
1988	4,612,388	1,974,285	2,638,103	1,570,420	746,184	824,236	3,041,968	1,228,101	1,813,867
1989	4,820,771	2,066,953	2,753,818	1,653,866	785,445	868,421	3,166,905	1,281,508	1,885,397
Percent change	4.5	4.7	4.4	5.3	5.3	5.4	4.1	4.3	3.9
Private total									
1988	255,722	111,642	144,080	171,740	71,362	100,378	83,982	40,280	43,702
1989	262,690	119,904	142,786	177,976	75,247	102,729	84,714	44,657	40,057
Percent change	2.7	7.4	-0.9	3.6	5.4	2.3	0.9	10.9	-8.3
Private, nonprofit									
1988	94,417	36,316	58,101	66,644	27,173	39,471	27,773	9,143	18,630
1989	89,990	33,686	56,304	63,187	25,675	37,512	26,803	8,011	18,792
Percent change	-4.7	-7.2	-3.1	-5.2	-5.5	-5.0	-3.5	-12.4	0.9
Private, for-profit									
1988	161,305	75,326	85,979	105,096	44,189	60,907	56,209	31,137	25,072
1989	172,700	86,218	86,482	114,789	49,572	65,217	57,911	36,646	21,265
Percent change	7.1	14.5	0.6	9.2	12.2	7.1	3.0	17.7	-15.2

* Includes students enrolled in less-than-2-year institutions of higher education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1988 and 1989).

Table 2.--Undergraduate enrollment in institutions of higher education, by attendance status, sex, type, and control of institution: 50 states and D.C., fall 1988-1989

Type and control of institution	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total									
1988	11,304,160	5,133,746	6,170,414	6,636,139	3,204,734	3,431,405	4,668,021	1,929,012	2,739,009
1989	11,665,643	5,277,774	6,387,869	6,808,366	3,266,721	3,541,645	4,857,277	2,011,053	2,846,224
Percent change	3.2	2.8	3.5	2.6	1.9	3.2	4.1	4.3	3.9
4-year									
1988	6,436,050	3,047,819	3,388,231	4,893,979	2,387,188	2,506,791	1,542,071	660,631	881,440
1989	6,582,182	3,090,917	3,491,265	4,976,524	2,406,029	2,570,495	1,605,658	684,888	920,770
Percent change	2.3	1.4	3.0	1.7	0.8	2.5	4.1	3.7	4.5
Public									
1988	4,486,359	2,137,363	2,348,996	3,379,050	1,652,909	1,726,141	1,107,309	484,454	622,855
1989	4,603,765	2,176,350	2,427,415	3,458,742	1,677,070	1,781,672	1,145,023	499,280	645,743
Percent change	2.6	1.8	3.3	2.4	1.5	3.2	3.4	3.1	3.7
Private total									
1988	1,949,691	910,456	1,039,235	1,514,929	734,279	780,650	434,762	176,177	258,585
1989	1,978,417	914,567	1,063,850	1,517,782	728,959	788,823	460,635	185,608	275,027
Percent change	1.5	0.5	2.4	0.2	-0.7	1.0	6.0	5.4	6.4
Private, nonprofit									
1988	1,902,406	878,691	1,023,715	1,476,542	707,385	769,157	425,864	171,306	254,558
1989	1,931,610	884,772	1,046,838	1,481,038	704,441	776,597	450,572	180,331	270,241
Percent change	1.5	0.7	2.3	0.3	-0.4	1.0	5.8	5.3	6.2
Private, for-profit									
1988	47,285	31,765	15,520	38,387	26,894	11,493	8,898	4,871	4,027
1989	46,807	29,795	17,012	36,744	24,518	12,226	10,063	5,277	4,786
Percent change	-1.0	-6.2	9.6	-4.3	-8.8	6.4	13.1	8.3	18.8
2-year *									
1988	4,868,110	2,085,927	2,782,183	1,742,160	817,546	924,614	3,125,950	1,268,381	1,857,569
1989	5,083,461	2,186,857	2,896,604	1,831,842	860,692	971,150	3,251,619	1,326,165	1,925,454
Percent change	4.4	4.8	4.1	5.1	5.3	5.0	4.0	4.6	3.7
Public									
1988	4,612,388	1,974,285	2,638,103	1,570,420	746,184	824,236	3,041,968	1,228,101	1,813,867
1989	4,820,771	2,066,953	2,753,818	1,653,866	785,445	868,421	3,166,905	1,281,508	1,885,397
Percent change	4.5	4.7	4.4	5.3	5.3	5.4	4.1	4.3	3.9
Private total									
1988	255,722	111,642	144,080	171,740	71,362	100,378	83,982	40,280	43,702
1989	262,690	119,904	142,786	177,976	75,247	102,729	84,714	44,657	40,057
Percent change	2.7	7.4	-0.9	3.6	5.4	2.3	0.9	10.9	-8.3
Private, nonprofit									
1988	94,417	36,316	58,101	66,644	27,173	39,471	27,773	9,143	18,630
1989	89,990	33,686	56,304	63,187	25,675	37,512	26,803	8,011	18,792
Percent change	-4.7	-7.2	-3.1	-5.2	-5.5	-5.0	-3.5	-12.4	0.9
Private, for-profit									
1988	161,305	75,326	85,979	105,096	44,189	60,907	56,209	31,137	25,072
1989	172,700	86,218	86,482	114,789	49,572	65,217	57,911	36,646	21,265
Percent change	7.1	14.5	0.6	9.2	12.2	7.1	3.0	17.7	-15.2

* Includes students enrolled in less-than-2-year institutions of higher education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1988 and 1989).

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Table 3.--First-time freshmen* in institutions of higher education, by attendance status, sex, type, and control of institution: 50 states and D.C., fall 1988-1989

Type and control of institution	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total									
1988	2,370,933	1,098,023	1,272,910	1,689,287	804,349	884,938	681,646	293,674	387,972
1989	2,328,916	1,088,680	1,240,236	1,649,621	788,489	861,132	679,295	300,191	379,104
Percent change	-1.8	-0.9	-2.6	-2.3	-2.0	-2.7	-0.3	2.2	-2.3
4-year									
Public									
1988	781,764	368,949	412,815	715,081	340,135	374,946	66,683	28,814	37,869
1989	762,229	360,121	402,108	696,678	331,665	365,013	65,551	28,456	37,095
Percent change	-2.5	-2.4	-2.6	-2.6	-2.5	-2.6	-1.7	-1.2	-2.0
Private									
1988	424,618	202,001	222,617	389,476	186,648	202,828	35,142	15,353	19,789
1989	410,530	195,301	215,229	376,144	180,123	196,021	34,386	15,178	19,208
Percent change	-3.3	-3.3	-3.3	-3.4	-3.5	-3.4	-2.2	-1.1	-2.9
Private, nonprofit									
1988	410,887	192,263	218,624	377,312	177,835	199,477	33,575	14,428	19,147
1989	396,441	185,970	210,471	363,741	171,710	192,031	32,700	14,260	18,440
Percent change	-3.5	-3.3	-3.7	-3.6	-3.4	-3.7	-2.6	-1.2	-3.7
Private, for-profit									
1988	13,731	9,738	3,993	12,164	8,813	3,351	1,567	925	642
1989	14,089	9,331	4,758	12,403	8,413	3,990	1,686	918	768
Percent change	2.6	-4.2	19.2	2.0	-4.5	19.1	7.6	-0.8	19.6
2-year									
Public									
1988	1,051,956	475,441	576,515	509,737	245,523	264,214	542,219	229,918	312,301
1989	1,041,031	475,852	565,179	506,882	245,637	261,245	534,149	230,215	303,934
Percent change	-1.0	0.1	-2.0	-0.6	0.0	-1.1	-1.5	0.1	-2.7
Private									
1988	112,595	51,632	60,963	74,993	32,043	42,950	37,602	19,589	18,013
1989	115,126	57,406	57,720	69,917	31,064	38,853	45,209	26,342	18,867
Percent change	2.2	11.2	-5.3	-6.8	-3.1	-9.5	20.2	34.5	4.7
Private, nonprofit									
1988	36,682	14,484	22,198	31,117	12,514	18,603	5,565	1,970	3,595
1989	35,827	14,177	21,650	29,545	12,244	17,301	6,282	1,933	4,349
Percent change	-2.3	-2.1	-2.5	-5.1	-2.2	-7.0	12.9	-1.9	21.0
Private, for-profit									
1988	75,913	37,148	38,765	43,876	19,529	24,347	32,037	17,619	14,418
1989	79,299	43,229	36,070	40,372	18,820	21,552	38,927	24,409	14,518
Percent change	4.5	16.4	-7.0	-8.0	-3.6	-11.5	21.5	38.5	0.7

* Includes degree-seeking students only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey 1989.

Table 4.--Postbaccalaureate enrollment in institutions of higher education, by attendance status, sex, level of study, and control of institution: 50 states and D.C., fall 1988-1989

Level of study and control of institution	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total									
1988	1,738,958	864,458	874,500	794,332	455,376	338,956	944,626	409,082	535,544
1989	1,792,212	877,710	914,502	818,806	461,102	357,704	973,406	416,608	556,798
Percent change	3.1	1.5	4.6	3.1	1.3	5.5	3.0	1.8	4.0
First-professional									
1988	267,096	166,685	100,411	241,836	151,182	90,654	25,260	15,503	9,757
1989	273,728	168,480	105,248	247,434	152,419	95,015	26,294	16,061	10,233
Percent change	2.5	1.1	4.8	2.3	0.8	4.8	4.1	3.6	4.9
Public									
1988	108,935	66,194	42,741	104,844	63,884	40,960	4,091	2,310	1,781
1989	112,638	67,548	45,090	108,753	65,366	43,387	3,885	2,182	1,703
Percent change	3.4	2.0	5.5	3.7	2.3	5.9	-5.0	-5.5	-4.4
Private									
1988	158,161	100,491	57,670	136,992	87,298	49,694	21,169	13,193	7,976
1989	161,090	100,932	60,158	138,681	87,053	51,628	22,409	13,879	8,530
Percent change	1.9	0.4	4.3	1.2	-0.3	3.9	5.9	5.2	6.9
Graduate									
1988	1,471,862	697,773	774,089	552,496	304,194	248,302	919,366	393,579	525,787
1989	1,518,484	709,230	809,254	571,372	308,683	262,689	947,112	400,547	546,565
Percent change	3.2	1.6	4.5	3.4	1.5	5.8	3.0	1.8	4.0
Public									
1988	948,693	428,971	519,722	354,782	192,489	162,293	593,911	236,482	357,429
1989	977,799	437,048	540,751	366,702	195,349	171,353	611,097	241,699	369,398
Percent change	3.1	1.9	4.0	3.4	1.5	5.6	2.9	2.2	3.3
Private									
1988	523,169	268,802	254,367	197,714	111,705	86,009	325,455	157,097	168,358
1989	540,685	272,182	268,503	204,670	113,334	91,336	336,015	158,848	177,167
Percent change	3.3	1.3	5.6	3.5	1.5	6.2	3.2	1.1	5.2
Graduate degree seeking									
1988	1,203,951	596,896	607,055	511,509	285,490	226,019	692,442	311,406	381,036
1989	1,249,348	609,463	639,885	531,931	291,412	240,519	717,417	318,051	399,366
Percent change	3.8	2.1	5.4	4.0	2.1	6.4	3.6	2.1	4.8
Public									
1988	746,181	356,761	389,420	322,764	178,745	144,019	423,417	178,016	245,401
1989	778,226	367,044	411,182	335,930	182,733	153,197	442,296	184,311	257,985
Percent change	4.3	2.9	5.6	4.1	2.2	6.4	4.5	3.5	5.1
Private									
1988	457,770	240,135	217,635	188,745	106,745	82,000	269,025	133,390	135,635
1989	471,122	242,419	228,703	196,001	108,679	87,322	275,121	133,740	141,381
Percent change	2.9	1.0	5.1	3.8	1.8	6.5	2.3	0.3	4.2

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1988 and 1989).

Table 5.--Enrollment in institutions of higher education, by attendance status, sex, level of study, and control of institution: 50 states and D.C., fall 1989

Control and level of student	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	13,457,855	6,155,484	7,302,371	7,627,172	3,727,823	3,899,349	5,830,683	2,427,661	3,403,022
Undergraduate	11,665,643	5,277,774	6,387,869	6,808,366	3,266,721	3,541,645	4,857,277	2,011,053	2,846,224
First-professional	273,728	168,480	105,248	247,434	152,419	95,015	26,294	16,061	10,233
Graduate	1,518,484	709,230	809,254	571,372	308,683	262,689	947,112	400,547	546,565
Degree seeking	1,249,348	609,463	639,885	531,931	291,412	240,519	717,417	318,051	399,366
Non-degree seeking	269,136	99,767	169,369	39,441	17,271	22,170	229,695	82,496	147,199
Public	10,514,973	4,747,899	5,767,074	5,588,063	2,723,230	2,864,833	4,926,910	2,024,669	2,902,241
Undergraduate	9,424,536	4,243,303	5,181,233	5,112,608	2,462,515	2,650,093	4,311,928	1,780,788	2,531,140
First-professional	112,638	67,548	45,090	108,753	65,366	43,387	3,885	2,182	1,703
Graduate	977,799	437,048	540,751	366,702	195,349	171,353	611,097	241,699	369,398
Degree seeking	778,226	367,044	411,182	335,930	182,733	153,197	442,296	184,311	257,985
Non-degree seeking	199,573	70,004	129,569	30,772	12,616	18,156	168,801	57,388	111,413
Private	2,942,882	1,407,585	1,535,297	2,039,109	1,004,593	1,034,516	903,773	402,992	500,781
Undergraduate	2,241,107	1,034,471	1,206,636	1,695,758	804,206	891,552	545,349	230,265	315,084
First-professional	161,090	100,932	60,158	138,681	87,053	51,628	22,409	13,879	8,530
Graduate	540,685	272,182	268,503	204,670	113,334	91,336	336,015	158,848	177,167
Degree seeking	471,122	242,419	228,703	196,001	108,679	87,322	275,121	133,740	141,381
Non-degree seeking	69,563	29,763	39,800	8,669	4,655	4,014	60,894	25,108	35,786
Private, nonprofit	2,717,641	1,288,008	1,429,633	1,885,008	928,883	956,125	832,633	359,125	473,508
Undergraduate	2,021,600	918,458	1,103,142	1,544,225	730,116	814,109	477,375	188,342	289,033
First-professional	158,535	99,350	59,185	137,086	86,010	51,076	21,449	13,340	8,109
Graduate	537,506	270,200	267,306	203,697	112,757	90,940	333,809	157,443	176,366
Degree seeking	468,045	240,476	227,569	195,093	108,126	86,967	272,952	132,350	140,602
Non-degree seeking	69,461	29,724	39,737	8,604	4,631	3,973	60,857	25,093	35,764
Private, for-profit	225,241	119,577	105,664	154,101	75,710	78,391	71,140	43,867	27,273
Undergraduate	219,507	116,013	103,494	151,533	74,090	77,443	67,974	41,923	26,051
First-professional	2,555	1,582	973	1,595	1,043	552	960	539	421
Graduate	3,179	1,982	1,197	973	577	396	2,206	1,405	801
Degree seeking	3,077	1,943	1,134	908	553	355	2,169	1,390	779
Non-degree seeking	102	39	63	65	24	41	37	15	22

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey 1989.

Table 6.--Undergraduate enrollment in 4-year institutions of higher education, by attendance status, sex, degree seeking status, level of student, and control of institution: 50 states and D.C., fall 1989

Control and level of student	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	6,582,182	3,090,917	3,491,265	4,976,524	2,406,029	2,570,495	1,605,658	684,888	920,770
Degree seeking	6,208,073	2,933,621	3,274,452	4,922,298	2,379,877	2,542,421	1,285,775	553,744	732,031
First-time freshmen	1,172,759	555,422	617,337	1,072,822	511,788	561,034	99,937	43,634	56,303
Other first-year	752,228	355,030	397,198	532,491	265,584	266,907	219,737	89,446	130,291
Second year	1,325,011	624,938	700,073	1,126,613	542,899	583,714	198,398	82,039	116,359
Third year	1,320,449	618,733	701,716	1,064,879	512,379	552,500	255,570	106,354	149,216
Fourth year and beyond	1,488,229	717,738	770,491	1,097,168	533,965	563,203	391,061	183,773	207,288
Unclassified by level	149,397	61,760	87,637	28,325	13,262	15,063	121,072	48,498	72,574
Non-degree seeking	374,109	157,296	216,813	54,226	26,152	28,074	319,883	131,144	188,739
Public									
Degree seeking	4,344,599	2,064,569	2,280,030	3,419,648	1,657,094	1,762,554	924,951	407,475	517,476
First-time freshmen	762,229	360,121	402,108	696,678	331,665	365,013	65,551	28,456	37,095
Other first-year	561,670	267,197	294,473	409,948	204,634	205,314	151,722	62,563	89,159
Second year	912,462	432,105	480,357	765,359	369,682	395,677	147,103	62,423	84,680
Third year	937,712	440,538	497,174	745,038	359,067	385,971	192,674	81,471	111,203
Fourth year and beyond	1,090,172	529,088	561,084	787,473	384,833	402,640	302,699	144,255	158,444
Unclassified by level	80,354	35,520	44,834	15,152	7,213	7,939	65,202	28,307	36,895
Non-degree seeking	259,166	111,781	147,385	39,094	19,976	19,118	220,072	91,805	128,267
Private									
Degree seeking	1,863,474	869,052	994,422	1,502,650	722,783	779,867	360,824	146,269	214,555
First-time freshmen	410,530	195,301	215,229	376,144	180,123	196,021	34,386	15,178	19,208
Other first-year	190,558	87,833	102,725	122,543	60,950	61,593	68,015	26,883	41,132
Second year	412,549	192,833	219,716	361,254	173,217	188,037	51,295	19,616	31,679
Third year	382,737	178,195	204,542	319,841	153,312	166,529	62,896	24,883	38,013
Fourth year and beyond	398,057	188,650	209,407	309,695	149,132	160,563	88,362	39,518	48,844
Unclassified by level	69,043	26,240	42,803	13,173	6,049	7,124	55,870	20,191	35,679
Non-degree seeking	114,943	45,515	69,428	15,132	6,176	8,956	99,811	39,339	60,472
Private, nonprofit									
Degree seeking	1,821,841	841,447	980,394	1,467,948	699,214	768,734	353,893	142,233	211,660
First-time freshmen	396,441	185,970	210,471	363,741	171,710	192,031	32,700	14,260	18,440
All other first-year	182,318	82,747	99,571	116,497	57,167	59,330	65,821	25,580	40,241
Second year	403,250	186,501	216,749	353,303	167,662	185,641	49,947	18,839	31,108
Third year	377,797	174,904	202,893	315,772	150,522	165,250	62,025	24,382	37,643
Fourth year and beyond	393,575	185,528	208,047	306,002	146,514	159,488	87,573	39,014	48,559
Unclassified by level	68,460	25,797	42,663	12,633	5,639	6,994	55,827	20,158	35,669
Non-degree seeking	109,769	43,325	66,444	13,090	5,227	7,863	96,679	38,098	58,581
Private, for-profit									
Degree seeking	41,633	27,605	14,028	34,702	23,569	11,133	6,931	4,036	2,895
First-time freshmen	14,089	9,331	4,758	12,403	8,413	3,990	1,686	918	768
All other first-year	8,240	5,086	3,154	6,046	3,783	2,263	2,194	1,303	891
Second year	9,299	6,332	2,967	7,951	5,555	2,396	1,348	777	571
Third year	4,940	3,291	1,649	4,069	2,790	1,279	871	501	370
Fourth year and beyond	4,482	3,122	1,360	3,693	2,618	1,075	789	504	285
Unclassified by level	583	443	140	540	410	130	43	33	10
Non-degree seeking	5,174	2,190	2,984	2,042	949	1,093	3,132	1,241	1,891

SOURCE: U.S. Department of Education, National Center for Education Statisitics, "Fall Enrollment" survey, 1989.

Table 7.--Enrollment in 2-year institutions* of higher education, by attendance status, sex, degree seeking status, level of of student, and control of institution: 50 states and D.C., fall 1989

Control and level of student	Total			Full-time			Part-time		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	5,083,461	2,186,857	2,896,604	1,831,842	860,692	971,150	3,251,619	1,326,165	1,925,454
Degree seeking	4,195,187	1,817,998	2,377,189	1,695,282	795,792	899,490	2,499,905	1,022,206	1,477,699
First-time freshmen	1,156,157	533,258	622,899	576,799	276,701	300,098	579,358	256,557	322,801
All other first-year	1,607,937	664,638	943,299	566,296	257,061	309,235	1,041,641	407,577	634,064
All other students	1,431,093	620,102	810,991	552,187	262,030	290,157	878,906	358,072	520,834
Non-degree seeking	888,274	368,859	519,415	136,560	64,900	71,660	751,714	303,959	447,755
Public	4,820,771	2,066,953	2,753,818	1,653,866	785,445	868,421	3,166,905	1,281,508	1,885,397
Degree seeking	3,947,709	1,702,710	2,244,999	1,524,225	722,582	801,643	2,423,484	980,128	1,443,356
First-time freshmen	1,041,031	475,852	565,179	506,882	245,637	261,245	534,149	230,215	303,934
All other first-year	1,562,291	643,906	918,385	536,438	244,921	291,517	1,025,853	398,985	626,868
All other students	1,344,387	582,952	761,435	480,905	232,024	248,881	863,482	350,928	512,554
Non-degree seeking	873,062	364,243	508,819	129,641	62,863	66,778	743,421	301,380	442,041
Private total	262,690	119,904	142,786	177,976	75,247	102,729	84,714	44,657	40,057
Degree seeking	247,478	115,288	132,190	171,057	73,210	97,847	76,421	42,078	34,343
First-time freshmen	115,126	57,406	57,720	69,917	31,064	38,853	45,209	26,342	18,867
All other first-year	45,646	20,732	24,914	29,858	12,140	17,718	15,788	8,592	7,196
All other students	86,706	37,150	49,556	71,282	30,006	41,276	15,424	7,144	8,280
Non-degree seeking	15,212	4,616	10,596	6,919	2,037	4,882	8,293	2,579	5,714
Private, nonprofit	89,990	33,686	56,304	63,187	25,675	37,512	26,803	8,011	18,792
Degree seeking	81,828	30,933	50,895	61,574	25,032	36,542	20,254	5,901	14,353
First-time freshmen	35,827	14,177	21,650	29,545	12,244	17,301	6,282	1,933	4,349
All other first-year	17,198	5,817	11,381	10,578	3,888	6,690	6,620	1,929	4,691
All other students	28,803	10,939	17,864	21,451	8,900	12,551	7,352	2,039	5,313
Non-degree seeking	8,162	2,753	5,409	1,613	643	970	6,549	2,110	4,439
Private, for-profit	172,700	86,218	86,482	114,789	49,572	65,217	57,911	36,646	21,265
Degree seeking	165,650	84,355	81,295	109,483	48,178	61,305	56,167	36,177	19,990
First-time freshmen	79,299	43,229	36,070	40,372	18,820	21,552	38,927	24,409	14,518
All other first-year	28,448	14,915	13,533	19,280	8,252	11,028	9,168	6,663	2,505
All other students	57,903	26,211	31,692	49,831	21,106	28,725	8,072	5,105	2,967
Non-degree seeking	7,050	1,863	5,187	5,306	1,394	3,912	1,744	469	1,275

* Includes students enrolled in less-than-2-year institutions of higher education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table 8.--Full-time-equivalent enrollment in institutions of higher education, by control and type of institution: 50 states and D.C., fall 1970-1989

Year	All institutions			Public institutions			Private institutions		
	Total	4-year	2-year	Total	4-year	2-year	Total	4-year	2-year
1970 1/...	6,737,819	5,219,855	1,517,964	4,953,144	3,540,559	1,412,585	1,784,675	1,679,296	105,379
1971 1/...	7,148,575	5,429,703	1,718,872	5,344,356	3,731,009	1,613,347	1,804,219	1,698,694	105,525
1972.....	7,253,739	5,406,821	1,846,918	5,452,848	3,706,239	1,746,609	1,800,891	1,700,582	100,309
1973.....	7,453,448	5,439,218	2,014,230	5,629,555	3,721,031	1,908,524	1,823,893	1,718,187	105,706
1974.....	7,805,453	5,606,249	2,199,204	5,944,804	3,847,550	2,097,254	1,860,649	1,758,699	101,950
1975.....	8,479,685	5,900,401	2,579,284	6,522,310	4,056,500	2,465,810	1,957,375	1,843,901	113,474
1976.....	8,312,502	5,848,001	2,464,501	6,349,903	3,998,450	2,351,453	1,962,599	1,849,551	113,048
1977.....	8,415,339	5,935,076	2,480,263	6,396,476	4,039,071	2,357,405	2,018,863	1,896,005	122,858
1978.....	8,348,482	5,932,573	2,415,909	6,279,199	3,996,126	2,283,073	2,069,283	1,936,447	132,836
1979.....	8,487,317	6,016,072	2,471,245	6,392,617	4,059,304	2,333,313	2,094,700	1,956,768	137,932
1980.....	8,819,013	6,161,372	2,657,641	6,642,294	4,158,267	2,484,027	2,176,719	2,003,105	173,614 2/
1981.....	9,014,521	6,249,847	2,764,674	6,781,300	4,208,506	2,572,794	2,233,221	2,041,341	191,880 2/
1982.....	9,091,648	6,248,923	2,842,725	6,850,589	4,220,648	2,629,941	2,241,059	2,028,275	212,784
1983.....	9,166,399	6,325,223	2,841,176	6,881,480	4,265,808	2,615,672	2,284,919	2,059,415	225,504
1984.....	8,951,695	6,292,711	2,658,984	6,684,664	4,237,895	2,446,769	2,267,031	2,054,816	212,215
1985.....	8,943,433	6,294,339	2,649,094	6,667,781	4,239,622	2,428,159	2,275,652	2,054,717	220,935
1986.....	9,064,168	6,360,324	2,703,844	6,778,046	4,295,495	2,482,551	2,286,122	2,064,829	221,293 3/
1987.....	9,229,736	6,486,510	2,743,225	6,937,690	4,395,731	2,541,958	2,292,046	2,090,779	201,267
1988 4/...	9,466,878	6,665,271	2,801,607	7,097,072	4,505,501	2,591,571	2,369,806	2,159,770	210,036
1989.....	9,733,727	6,803,495	2,930,232	7,336,939	4,619,374	2,717,565	2,396,788	2,184,121	212,667

1/ Data for 2-year branch campuses of 4-year systems are included with the 4-year institutions.

2/ Large increases are due to the addition of schools accredited by the National Association of Trade and Technical Schools in 1980 and 1981.

3/ Because of imputation techniques, data are not consistent with figures for other years.

4/ Data have been revised from previously published figures.

NOTE: Because of a revision in data compilation procedures, figures for 1986 to 1989 are not directly comparable to data for earlier years.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS), "Fall Enrollment in Colleges and Universities" (1970-1985); and Integrated Postsecondary Education Data System (IPEDS), "Fall Enrollment" surveys (1986-1989).

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Table 9.--Enrollment in all institutions of higher education, by state or other area: Fall 1986-1989

State or other area	Fall				Percent change			
	1986	1987	1988	1989	1986-87	1987-88	1988-89	1986-89
50 states and D.C.	12,503,511	12,768,307	13,043,118	13,457,855	2.1	2.2	3.2	7.6
Alabama	216,060	223,658	226,167	245,599	3.5	1.1	8.6	13.7
Alaska	27,477	26,937	28,361	28,627	-2.0	5.3	0.9	4.2
Arizona	226,595	237,233	257,786	252,614	4.7	8.7	-2.0	11.5
Arkansas	79,182	79,273	84,550	88,572	0.1	6.7	4.8	11.9
California	1,729,044	1,788,833	1,755,313	1,746,743	3.5	-1.9	-0.5	1.0
Colorado	181,812	188,035	190,767	202,754	3.4	1.5	6.3	11.5
Connecticut	159,040	163,238	166,569	170,316	2.6	2.0	2.2	7.1
Delaware	33,895	36,650	38,260	40,562	8.1	4.4	6.0	19.7
District of Columbia	77,645	77,566	79,089	79,800	-0.1	2.0	0.9	2.8
Florida 1/	483,958	489,964	515,590	573,712	1.2	5.2	11.3	18.5
Georgia	195,124	224,066	230,762	239,208	14.8	3.0	3.7	22.6
Hawaii	51,697	52,291	52,297	54,188	1.1	0.0	3.6	4.8
Idaho	45,260	45,567	45,717	48,969	0.7	0.3	7.1	8.2
Illinois	692,018	686,954	688,974	709,937	-0.7	0.3	3.0	2.6
Indiana	250,176	256,264	267,902	275,821	2.4	4.5	3.0	10.3
Iowa	155,369	158,230	161,174	169,901	1.8	1.9	5.4	9.4
Kansas	143,308	148,997	152,950	161,639	4.0	2.7	3.7	12.8
Kentucky	144,560	153,351	159,868	166,014	6.1	4.2	3.8	14.8
Louisiana	171,332	173,229	176,031	179,927	1.1	1.6	2.2	5.0
Maine 2/	46,229	47,554	47,903	58,230	2.9	0.7	21.6	26.0
Maryland	238,880	244,750	253,636	259,778	2.5	3.6	2.4	8.7
Massachusetts	417,540	423,916	426,620	426,476	1.5	0.6	0.0	2.1
Michigan	520,392	535,486	542,580	560,320	2.9	1.3	3.3	7.7
Minnesota	226,558	237,212	244,706	253,097	4.7	3.2	3.4	11.7
Mississippi	101,104	105,510	112,872	116,370	4.4	7.0	3.1	15.1
Missouri	246,185	251,778	261,667	278,505	2.3	3.9	6.4	13.1
Montana	35,238	35,882	35,772	37,660	1.8	-0.3	5.3	6.9
Nebraska	100,401	100,828	104,617	108,844	0.4	3.8	4.0	8.4
Nevada 2/	46,796	48,063	48,832	56,471	2.7	1.6	15.6	20.7
New Hampshire	53,882	56,163	55,334	58,600	4.2	-1.5	5.9	8.8
New Jersey	295,271	294,433	302,640	314,091	-0.3	2.8	3.8	6.4
New Mexico	80,271	83,074	79,450	81,350	3.5	-4.4	2.4	1.3
New York	1,006,217	997,780	1,012,572	1,023,244	-0.8	1.5	1.1	1.7
North Carolina	322,980	321,251	332,521	345,401	-0.5	3.5	3.9	6.9
North Dakota	37,309	37,052	38,293	40,350	-0.7	3.3	5.4	8.2
Ohio	521,283	518,979	542,474	551,416	-0.4	4.5	1.6	5.8
Oklahoma	170,840	172,730	176,307	175,855	1.1	2.1	-0.3	2.9
Oregon	144,785	152,657	156,159	161,822	5.4	2.3	3.6	11.8
Pennsylvania	545,921	554,370	573,927	610,357	1.5	3.5	6.3	11.8
Rhode Island	69,567	71,708	74,839	76,503	3.1	4.4	2.2	10.0
South Carolina	134,115	140,841	147,757	145,730	5.0	4.9	-1.4	8.7
South Dakota	30,935	31,755	31,460	32,666	2.7	-0.9	3.8	5.6
Tennessee	197,071	202,006	206,406	218,866	2.5	2.2	6.0	11.1
Texas	776,023	802,226	847,192	877,859	3.4	5.6	3.6	13.1
Utah	106,218	106,792	107,538	114,815	0.5	0.7	6.8	8.1
Vermont	32,460	33,242	34,467	35,946	2.4	3.7	4.3	10.7
Virginia	308,318	319,026	321,216	344,284	3.5	0.7	7.2	11.7
Washington	242,379	245,872	253,088	255,760	1.4	2.9	1.1	5.5
West Virginia	76,781	77,256	80,379	82,455	0.6	4.0	2.6	7.4
Wisconsin	283,653	281,717	285,227	290,672	-0.7	1.2	1.9	2.5
Wyoming	24,357	26,062	26,540	29,159	7.0	1.8	9.9	19.7
Outlying areas	165,620	156,809	163,441	163,348	-5.3	4.2	-0.1	-1.4
American Samoa	759	897	759	1,011	18.2	-15.4	33.2	33.2
Federated States of Micronesia	---	---	---	838	---	---	---	---
Guam	4,477	4,072	3,819	4,350	-9.0	-6.2	13.9	-2.8
Marshall Islands	---	---	---	0	---	---	---	---
Northern Mariana Islands	514	366	352	419	-28.8	-3.8	19.0	-18.5
Palau	---	---	---	1,037	---	---	---	---
Puerto Rico	156,580	147,706	154,739	152,996	-5.7	4.8	-1.1	-2.3
Trust Territory of the Pacific	795	1,223	1,301	---	53.8	6.4	---	---
Virgin Islands	2,495	2,545	2,471	2,697	2.0	-2.9	9.1	8.1

--- Data not reported or not applicable

1/ Percentage change is inflated because the 1989 data for the community college system was reported incorrectly by the state of Florida.

2/ Percentage change is inflated because one institution in the state reported their 1988 data incorrectly.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1986-1989).

Table 10.--Enrollment in all institutions of higher education, by type of institution, sex, and state or other area: Fall 1989

State or other area	Total			4-year		2-year 1/	
	Total	Men	Women	Men	Women	Men	Women
50 states and D.C.	13,457,855	6,155,484	7,302,371	3,968,627	4,405,767	2,186,857	2,896,604
Alabama	245,599	126,980	118,619	64,724	73,957	62,256	44,662
Alaska	28,627	11,560	17,067	11,521	16,817	39	250
Arizona	252,614	119,225	133,389	54,486	53,161	64,739	80,228
Arkansas	88,572	38,111	50,461	30,691	37,887	7,420	12,574
California	1,746,743	804,841	941,902	340,032	357,869	464,809	584,033
Colorado	202,754	95,502	107,252	64,422	64,298	31,080	42,954
Connecticut	170,316	74,412	95,904	57,288	67,085	17,124	28,819
Delaware	40,562	17,568	22,994	13,495	17,110	4,073	5,884
District of Columbia	79,800	36,850	42,950	36,850	42,950	0	0
Florida 2/	573,712	259,448	314,264	126,975	129,419	132,473	184,845
Georgia	239,208	110,068	129,140	83,888	94,635	26,180	34,505
Hawaii	54,188	25,022	29,166	16,210	17,445	8,812	11,721
Idaho	48,969	22,595	26,374	17,058	18,350	5,537	8,024
Illinois	709,937	324,571	385,366	176,513	183,385	148,058	201,981
Indiana	275,821	130,987	144,834	112,628	125,091	18,359	19,743
Iowa	169,901	79,878	90,023	58,049	61,127	21,829	28,896
Kansas	161,639	72,657	88,982	49,919	54,864	22,738	34,118
Kentucky	166,014	70,340	95,674	54,889	69,704	15,451	25,970
Louisiana	179,927	79,162	100,765	71,326	88,389	7,836	12,376
Maine	58,230	23,852	34,378	20,045	30,465	3,807	3,913
Maryland	259,778	115,318	144,460	72,162	79,500	43,156	64,960
Massachusetts	426,476	191,404	235,072	158,531	178,732	32,873	56,340
Michigan	560,320	254,627	305,693	154,879	176,243	99,748	129,450
Minnesota	253,097	113,966	139,131	85,827	98,450	28,139	40,681
Mississippi	116,370	50,686	65,684	30,809	36,236	19,877	29,448
Missouri	278,505	127,273	151,232	97,453	107,060	29,820	44,172
Montana	37,660	17,805	19,855	15,655	16,037	2,150	3,818
Nebraska	108,844	49,273	59,571	35,123	40,922	14,150	18,649
Nevada	56,471	24,753	31,718	12,730	14,619	12,023	17,099
New Hampshire	58,600	27,378	31,222	22,510	26,610	4,868	4,612
New Jersey	314,091	140,643	173,448	90,076	101,673	50,567	71,775
New Mexico	81,350	36,720	44,630	23,646	25,936	13,074	18,694
New York	1,023,244	455,937	567,307	346,438	411,735	109,499	155,572
North Carolina	345,401	152,130	193,271	96,367	111,251	55,763	82,020
North Dakota	40,350	20,778	19,572	16,625	15,765	4,153	3,807
Ohio	551,416	265,891	285,525	189,332	203,843	76,559	81,682
Oklahoma	175,855	81,648	94,207	55,377	57,808	26,271	36,399
Oregon	161,822	75,843	85,979	42,805	44,195	33,038	41,784
Pennsylvania	610,357	281,633	328,724	214,375	234,679	67,258	94,045
Rhode Island	76,503	34,587	41,916	29,110	31,993	5,477	9,923
South Carolina	145,730	64,414	81,316	45,419	56,323	18,995	24,993
South Dakota	32,666	14,621	18,045	14,496	17,811	125	234
Tennessee	218,866	99,771	119,095	72,380	81,066	27,391	38,029
Texas	877,859	410,001	467,858	245,258	255,905	164,743	211,953
Utah	114,815	59,189	55,626	46,025	42,583	13,164	13,043
Vermont	35,946	15,574	20,372	13,146	15,902	2,428	4,470
Virginia	344,284	152,983	191,301	97,208	115,441	55,775	75,860
Washington	255,760	114,288	141,472	53,990	56,852	60,298	84,620
West Virginia	82,455	36,612	45,843	32,203	37,220	4,409	8,623
Wisconsin	290,672	133,103	157,569	91,482	103,215	41,621	54,354
Wyoming	29,159	13,006	16,153	6,181	6,154	6,825	9,999
Outlying areas	163,348	63,683	99,665	55,661	87,085	8,022	12,580
American Samoa	1,011	609	402	0	0	609	402
Federated States of Micronesia	838	436	402	0	0	436	402
Guam	4,350	2,090	2,260	963	1,422	1,127	838
Marshall Islands	0	0	0	0	0	0	0
Northern Mariana Islands	419	194	225	0	0	194	225
Palau	1,037	372	665	0	0	372	665
Puerto Rico	152,996	59,289	93,707	54,005	83,659	5,284	10,048
Virgin Islands	2,697	693	2,004	693	2,004	0	0

1/ Includes students enrolled in less-than-2-year institutions of higher education.

2/ The numbers for 2-year institutions are inflated because the state reported the data incorrectly.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

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Table 11.--Enrollment in public institutions of higher education, by type of institution, sex, and state or other area: Fall 1989

State or other area	Total			4-year		2-year 1/	
	Total	Men	Women	Men	Women	Men	Women
50 states and D.C.	10,514,973	4,747,899	5,767,074	2,680,946	3,013,256	2,066,953	2,753,818
Alabama	224,612	117,816	106,796	56,928	64,227	60,888	42,569
Alaska	26,274	10,808	15,466	10,808	15,466	0	0
Arizona	239,314	111,121	128,193	48,114	48,162	63,007	80,031
Arkansas	76,416	32,542	43,874	26,269	32,393	6,273	11,481
California	1,536,073	694,848	841,225	233,708	262,255	461,140	578,970
Colorado	177,490	82,606	94,884	54,041	54,923	28,565	39,961
Connecticut	110,575	45,596	64,979	28,989	37,316	16,607	27,663
Delaware	33,037	14,469	18,568	10,396	12,684	4,073	5,884
District of Columbia	12,439	5,396	7,043	5,396	7,043	0	0
Florida 2/	480,869	208,261	272,608	78,320	90,256	129,941	182,352
Georgia	186,776	84,520	102,256	63,022	73,217	21,498	29,039
Hawaii	43,644	19,199	24,445	10,387	12,724	8,812	11,721
Idaho	38,447	18,267	20,180	16,114	16,979	2,153	3,201
Illinois	536,643	240,651	295,992	95,498	99,415	145,153	196,577
Indiana	216,433	101,579	114,854	84,389	96,897	17,190	17,957
Iowa	116,889	56,716	60,173	35,663	32,558	21,053	27,615
Kansas	148,276	66,394	81,882	44,040	48,282	22,354	33,600
Kentucky	137,297	58,283	79,014	45,703	56,629	12,580	22,385
Louisiana	151,733	66,482	85,251	59,487	74,369	6,995	10,882
Maine	40,511	18,195	22,316	14,618	19,615	3,577	2,701
Maryland	222,014	98,381	123,633	55,437	59,182	42,944	64,451
Massachusetts	187,772	79,885	107,887	50,245	61,977	29,640	45,910
Michigan	479,714	220,435	259,279	121,690	133,865	98,745	125,414
Minnesota	198,610	89,463	109,147	63,576	71,320	25,887	37,827
Mississippi	103,035	45,209	57,826	26,446	30,270	18,763	27,556
Missouri	192,322	84,869	107,453	56,383	64,662	28,486	42,791
Montana	33,197	16,010	17,187	14,350	14,111	1,660	3,076
Nebraska	91,337	41,713	49,624	28,032	31,189	13,681	18,435
Nevada	56,184	24,595	31,589	12,595	14,490	12,000	17,099
New Hampshire	32,889	14,796	18,093	10,592	14,096	4,204	3,997
New Jersey	253,544	111,799	141,745	62,259	72,842	49,540	68,903
New Mexico	79,359	35,774	43,585	22,700	24,891	13,074	18,694
New York	605,701	261,530	344,171	159,280	204,372	102,250	139,799
North Carolina	277,062	120,747	156,315	66,830	77,583	53,917	78,732
North Dakota	37,501	19,621	17,880	15,547	14,171	4,074	3,709
Ohio	412,760	189,023	223,737	137,833	147,210	51,190	76,527
Oklahoma	151,410	68,749	82,661	45,905	48,783	22,844	33,878
Oregon	141,311	65,520	75,791	32,718	34,057	32,802	41,734
Pennsylvania	335,101	152,931	182,170	112,950	121,834	39,981	60,336
Rhode Island	40,604	15,882	24,722	10,405	14,799	5,477	9,923
South Carolina	118,639	52,335	66,304	35,692	43,560	16,643	22,744
South Dakota	25,075	11,900	13,175	11,900	13,175	0	0
Tennessee	167,056	76,153	90,903	51,096	56,684	25,057	34,219
Texas	782,495	361,775	420,720	199,391	211,001	162,384	209,719
Utah	79,623	41,484	38,139	28,558	25,886	12,926	12,253
Vermont	20,925	8,997	11,928	7,396	8,731	1,601	3,197
Virginia	287,624	128,124	159,500	72,819	85,441	55,305	74,059
Washington	221,362	98,682	122,680	39,432	38,955	59,250	83,725
West Virginia	72,478	32,379	40,099	28,934	33,293	3,445	6,806
Wisconsin	245,968	112,985	132,983	71,884	79,262	41,101	53,721
Wyoming	28,553	12,404	16,149	6,181	6,154	6,223	9,995
Outlying areas	67,449	25,626	41,823	20,778	36,241	4,848	5,582
American Samoa	1,011	609	402	0	0	609	402
Federated States of Micronesia	838	436	402	0	0	436	402
Guam	4,350	2,090	2,260	963	1,422	1,127	838
Marshall Islands	0	0	0	0	0	0	0
Northern Mariana Islands	419	194	225	0	0	194	225
Palau	1,037	372	665	0	0	372	665
Puerto Rico	57,097	21,232	35,865	19,122	32,815	2,110	3,050
Virgin Islands	2,697	693	2,004	693	2,004	0	0

1/ Includes students enrolled in less-than-2-year institutions of higher education.

2/ Numbers for 2-year institutions are inflated because the state reported the data incorrectly.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1986-1989).

Table 12.--Enrollment in all private institutions of higher education, by type of institution, sex, and state or other area: Fall 1989

State or other area	Total			4-year		2-year *	
	Total	Men	Women	Men	Women	Men	Women
50 states and D.C.	2,942,882	1,407,585	1,535,297	1,287,681	1,392,511	119,904	142,786
Alabama	20,987	9,164	11,823	7,796	9,730	1,368	2,093
Alaska	2,353	752	1,601	713	1,351	39	250
Arizona	13,300	8,104	5,196	6,372	4,999	1,732	197
Arkansas	12,156	5,569	6,587	4,422	5,494	1,147	1,093
California	210,670	109,993	100,677	106,324	95,614	3,669	5,063
Colorado	25,264	12,896	12,368	10,381	9,375	2,515	2,993
Connecticut	59,741	28,816	30,925	28,299	29,769	517	1,156
Delaware	7,525	3,099	4,426	3,099	4,426	0	0
District of Columbia	67,361	31,454	35,907	31,454	35,907	0	0
Florida	92,843	51,187	41,656	48,655	39,163	2,532	2,493
Georgia	52,432	25,548	26,884	20,866	21,418	4,682	5,466
Hawaii	10,544	5,823	4,721	5,823	4,721	0	0
Idaho	10,522	4,328	6,194	944	1,371	3,384	4,823
Illinois	173,294	83,920	89,374	81,015	83,970	2,905	5,404
Indiana	59,388	29,408	29,980	28,239	28,194	1,169	1,786
Iowa	53,012	23,162	29,850	22,386	28,569	776	1,281
Kansas	13,363	6,263	7,100	5,879	6,582	384	518
Kentucky	28,717	12,057	16,660	9,186	13,075	2,871	3,585
Louisiana	28,194	12,680	15,514	11,839	14,020	841	1,494
Maine	17,719	5,657	12,062	5,427	10,850	230	1,212
Maryland	37,764	16,937	20,827	16,725	20,318	212	509
Massachusetts	238,704	111,519	127,185	108,286	116,755	3,233	10,430
Michigan	80,606	34,192	46,414	33,189	42,378	1,003	4,036
Minnesota	54,487	24,503	29,984	22,251	27,130	2,252	2,854
Mississippi	13,335	5,477	7,858	4,363	5,966	1,114	1,892
Missouri	86,183	42,404	43,779	41,070	42,398	1,334	1,381
Montana	4,463	1,795	2,668	1,305	1,926	490	742
Nebraska	17,507	7,560	9,947	7,091	9,733	469	214
Nevada	287	158	129	135	129	23	0
New Hampshire	25,711	12,582	13,129	11,918	12,514	664	615
New Jersey	60,547	28,844	31,703	27,817	28,831	1,027	2,872
New Mexico	1,991	946	1,045	946	1,045	0	0
New York	417,543	194,407	223,136	187,158	207,363	7,249	15,773
North Carolina	68,339	31,383	36,956	29,537	33,668	1,846	3,288
North Dakota	2,849	1,157	1,692	1,078	1,594	79	98
Ohio	138,656	76,868	61,788	51,499	56,633	25,369	5,155
Oklahoma	24,445	12,899	11,546	9,472	9,025	3,427	2,521
Oregon	20,511	10,323	10,188	10,087	10,138	236	50
Pennsylvania	275,256	128,702	146,554	101,425	112,845	27,277	33,709
Rhode Island	35,899	18,705	17,194	18,705	17,194	0	0
South Carolina	27,091	12,079	15,012	9,727	12,763	2,352	2,249
South Dakota	7,591	2,721	4,870	2,596	4,636	125	234
Tennessee	51,810	23,618	28,192	21,284	24,382	2,334	3,810
Texas	95,364	48,226	47,138	45,867	44,904	2,359	2,234
Utah	35,192	17,705	17,487	17,467	16,697	238	790
Vermont	15,021	6,577	8,444	5,750	7,171	827	1,273
Virginia	56,660	24,859	31,801	24,389	30,000	470	1,801
Washington	34,398	15,606	18,792	14,558	17,897	1,048	895
West Virginia	9,977	4,233	5,744	3,269	3,927	964	1,817
Wisconsin	44,704	20,118	24,586	19,598	23,953	520	633
Wyoming	606	602	4	0	0	602	4
Outlying areas	95,899	38,057	57,842	34,883	50,844	3,174	6,998
American Samoa	0	0	0	0	0	0	0
Federated States of Miconesia	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0
Marshall Islands	0	0	0	0	0	0	0
Northern Mariana Islands	0	0	0	0	0	0	0
Palau	0	0	0	0	0	0	0
Puerto Rico	95,899	38,057	57,842	34,883	50,844	3,174	6,998
Virgin Islands	0	0	0	0	0	0	0

* Includes students enrolled in less-than-2-year institutions of higher education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table 13.--Enrollment in private nonprofit institutions of higher education, by type of institution, sex and state or other area: Fall 1989

State of other area	Total			4-year		2-year *	
	Total	Men	Women	Men	Women	Men	Women
50 states and D.C.	2,717,641	1,288,008	1,429,633	1,254,322	1,373,329	33,686	56,304
Alabama	19,183	8,535	10,648	7,796	9,730	739	918
Alaska	2,064	713	1,351	713	1,351	0	0
Arizona	8,538	4,113	4,425	4,113	4,425	0	0
Arkansas	10,146	4,529	5,617	4,422	5,494	107	123
California	198,169	103,239	94,930	102,251	93,786	988	1,144
Colorado	17,775	9,162	8,613	8,926	8,442	236	171
Connecticut	59,055	28,689	30,366	28,188	29,544	501	822
Delaware	7,525	3,099	4,426	3,099	4,426	0	0
District of Columbia	65,035	30,513	34,522	30,513	34,522	0	0
Florida	83,699	45,961	37,738	45,775	37,527	186	211
Georgia	43,675	21,239	22,436	18,501	19,863	2,738	2,573
Hawaii	10,544	5,823	4,721	5,823	4,721	0	0
Idaho	10,099	4,097	6,002	944	1,371	3,153	4,631
Illinois	162,143	76,800	85,343	75,078	81,267	1,722	4,076
Indiana	55,181	26,775	28,406	26,267	27,240	508	1,166
Iowa	52,724	22,905	29,819	22,386	28,569	519	1,250
Kansas	13,256	6,226	7,030	5,842	6,512	384	518
Kentucky	23,409	9,618	13,791	9,186	13,075	432	716
Louisiana	25,859	11,839	14,020	11,839	14,020	0	0
Maine	16,358	5,434	10,924	5,427	10,850	7	74
Maryland	37,351	16,914	20,437	16,725	20,318	189	119
Massachusetts	238,129	111,455	126,674	108,241	116,747	3,214	9,927
Michigan	80,606	34,192	46,414	33,189	42,378	1,003	4,036
Minnesota	50,897	22,888	28,009	22,069	26,972	819	1,037
Mississippi	11,704	4,922	6,782	4,363	5,966	559	816
Missouri	82,542	39,924	42,618	39,594	42,057	330	561
Montana	4,463	1,795	2,668	1,305	1,926	490	742
Nebraska	17,178	7,286	9,892	7,091	9,733	195	159
Nevada	287	158	129	135	129	23	0
New Hampshire	24,626	11,933	12,693	11,918	12,514	15	179
New Jersey	58,726	28,764	29,962	27,817	28,831	947	1,131
New Mexico	1,859	891	968	891	968	0	0
New York	397,382	188,027	209,355	184,793	204,476	3,234	4,879
North Carolina	66,682	31,068	35,614	29,537	33,668	1,531	1,946
North Dakota	2,849	1,157	1,692	1,078	1,594	79	98
Ohio	105,393	48,642	56,751	48,469	56,095	173	656
Oklahoma	19,261	9,768	9,493	9,472	9,025	296	468
Oregon	19,514	9,623	9,891	9,623	9,891	0	0
Pennsylvania	222,325	104,780	117,545	101,425	112,845	3,355	4,700
Rhode Island	35,899	18,705	17,194	18,705	17,194	0	0
South Carolina	25,631	11,554	14,077	9,727	12,763	1,827	1,314
South Dakota	5,958	2,104	3,854	1,979	3,620	125	234
Tennessee	47,197	21,943	25,254	21,205	24,297	738	957
Texas	89,077	44,347	44,730	44,003	44,453	344	277
Utah	34,927	17,661	17,266	17,467	16,697	194	569
Vermont	15,021	6,577	8,444	5,750	7,171	827	1,273
Virginia	53,854	24,030	29,824	23,974	29,380	56	444
Washington	30,827	13,821	17,006	13,821	17,006	0	0
West Virginia	9,488	4,172	5,316	3,269	3,927	903	1,389
Wisconsin	43,551	19,598	23,953	19,598	23,953	0	0
Wyoming	0	0	0	0	0	0	0
Outlying areas	89,582	35,749	53,833	33,941	49,793	1,808	4,040
American Samoa	0	0	0	0	0	0	0
Federated States of Micronesia	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0
Marshall Islands	0	0	0	0	0	0	0
Northern Mariana Islands	0	0	0	0	0	0	0
Palau	0	0	0	0	0	0	0
Puerto Rico	89,582	35,749	53,833	33,941	49,793	1,808	4,040
Virgin Islands	0	0	0	0	0	0	0

* Includes students enrolled in less-than-2-year institutions of higher education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table 14.--Enrollment in private for-profit institutions of higher education, by type of institution, sex, and state or other area: Fall 1989

State or other area	Total			4-year		2-year *	
	Total	Men	Women	Men	Women	Men	Women
50 states and D.C.	225,241	119,577	105,664	33,359	19,182	86,218	86,482
Alabama	1,804	629	1,175	0	0	629	1,175
Alaska	289	39	250	0	0	39	250
Arizona	4,762	3,991	771	2,259	574	1,732	197
Arkansas	2,010	1,040	970	0	0	1,040	970
California	12,501	6,754	5,747	4,073	1,828	2,681	3,919
Colorado	7,489	3,734	3,755	1,455	933	2,279	2,822
Connecticut	686	127	559	111	225	16	334
Delaware	0	0	0	0	0	0	0
District of Columbia	2,326	941	1,385	941	1,385	0	0
Florida	9,144	5,226	3,918	2,880	1,636	2,346	2,282
Georgia	8,757	4,309	4,448	2,365	1,555	1,944	2,893
Hawaii	0	0	0	0	0	0	0
Idaho	423	231	192	0	0	231	192
Illinois	11,151	7,120	4,031	5,937	2,703	1,183	1,328
Indiana	4,207	2,633	1,574	1,972	954	661	620
Iowa	288	257	31	0	0	257	31
Kansas	107	37	70	37	70	0	0
Kentucky	5,308	2,439	2,869	0	0	2,439	2,869
Louisiana	2,335	841	1,494	0	0	841	1,494
Maine	1,361	223	1,138	0	0	223	1,138
Maryland	413	23	390	0	0	23	390
Massachusetts	575	64	511	45	8	19	503
Michigan	0	0	0	0	0	0	0
Minnesota	3,590	1,615	1,975	182	158	1,433	1,817
Mississippi	1,631	555	1,076	0	0	555	1,076
Missouri	3,641	2,480	1,161	1,476	341	1,004	820
Montana	0	0	0	0	0	0	0
Nebraska	329	274	55	0	0	274	55
Nevada	0	0	0	0	0	0	0
New Hampshire	1,085	649	436	0	0	649	436
New Jersey	1,821	80	1,741	0	0	80	1,741
New Mexico	132	55	77	55	77	0	0
New York	20,161	6,380	13,781	2,365	2,887	4,015	10,894
North Carolina	1,657	315	1,342	0	0	315	1,342
North Dakota	0	0	0	0	0	0	0
Ohio	33,263	28,226	5,037	3,030	538	25,196	4,499
Oklahoma	5,184	3,131	2,053	0	0	3,131	2,053
Oregon	997	700	297	464	247	236	50
Pennsylvania	52,931	23,922	29,009	0	0	23,922	29,009
Rhode Island	0	0	0	0	0	0	0
South Carolina	1,460	525	935	0	0	525	935
South Dakota	1,633	617	1,016	617	1,016	0	0
Tennessee	4,613	1,675	2,938	79	85	1,596	2,853
Texas	6,287	3,879	2,408	1,864	451	2,015	1,957
Utah	265	44	221	0	0	44	221
Vermont	0	0	0	0	0	0	0
Virginia	2,806	829	1,977	415	620	414	1,357
Washington	3,571	1,785	1,786	737	891	1,048	895
West Virginia	489	61	428	0	0	61	428
Wisconsin	1,153	520	633	0	0	520	633
Wyoming	606	602	4	0	0	602	4
Outlying areas	6,317	2,308	4,009	942	1,051	1,366	2,958
American Samoa	0	0	0	0	0	0	0
Federated States of Micronesia	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0
Marshall Islands	0	0	0	0	0	0	0
Northern Mariana Islands	0	0	0	0	0	0	0
Palau	0	0	0	0	0	0	0
Puerto Rico	6,317	2,308	4,009	942	1,051	1,366	2,958
Virgin Islands	0	0	0	0	0	0	0

* Includes students enrolled in less-than-2-year instituions of higher education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1986-1989).

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Table 15.--Full-time-equivalent enrollment in institutions of higher education, by control, type of institution, and state or other area: Fall 1987-1989

State or other area	Public 4-year			Public 2-year			Private 4-year			Private 2-year		
	1987	1988*	1989	1987	1988*	1989	1987	1988*	1989	1987	1988*	1989
50 states and D.C...	4,395,731	4,505,501	4,619,374	2,541,958	2,591,571	2,717,565	2,090,779	2,159,770	2,184,121	201,267	210,036	212,667
Alabama	87,892	93,695	100,003	41,310	43,299	48,841	15,733	16,769	15,760	3,332	4,168	3,092
Alaska	8,022	13,999	16,227	6,265	2,124	---	739	842	1,313	---	608	255
Arizona	71,834	76,177	77,868	64,400	70,536	69,537	6,189	12,549	9,494	1,793	1,989	1,638
Arkansas	45,862	47,310	50,018	9,099	10,245	11,228	8,231	8,958	9,158	1,757	2,682	2,213
California	413,474	405,135	413,500	544,184	532,273	523,402	158,191	165,112	165,046	10,365	10,769	8,172
Colorado	89,982	90,031	93,143	28,214	30,079	35,082	14,307	14,288	14,983	3,741	5,407	5,165
Connecticut	46,728	48,396	48,688	19,963	20,629	21,955	43,846	43,559	44,223	1,295	1,357	1,268
Delaware	18,193	18,963	19,525	4,738	5,497	5,833	4,926	4,613	5,371	---	---	---
District of Columbia ..	6,455	7,239	7,475	---	---	---	53,108	53,991	54,471	---	---	---
Florida	114,505	120,978	129,019	140,240	146,970	171,739	64,043	74,110	70,224	4,021	4,605	4,995
Georgia	100,976	104,955	110,175	30,057	30,666	32,451	36,977	37,737	37,420	7,043	8,989	8,666
Hawaii	18,188	18,368	18,792	12,200	12,053	12,404	7,390	7,753	8,018	---	---	---
Idaho	23,216	24,324	25,877	3,549	3,751	3,850	2,137	1,876	1,832	7,516	7,859	7,896
Illinois	161,655	159,444	160,735	174,451	175,399	183,260	122,325	124,345	129,694	8,466	8,535	7,305
Indiana.....	130,757	136,242	142,702	19,882	20,594	20,265	45,327	49,336	50,492	3,065	2,867	2,702
Iowa	59,859	59,776	59,876	31,878	32,713	35,714	36,201	37,738	40,361	2,993	3,315	1,872
Kansas	68,978	70,397	72,406	26,721	28,723	30,840	9,954	10,752	10,581	1,124	1,197	813
Kentucky	74,863	78,663	82,354	17,486	19,645	22,119	18,921	19,242	18,307	7,253	6,628	5,741
Louisiana	114,219	113,977	114,008	8,664	9,377	10,739	20,247	20,833	22,078	1,135	2,432	2,331
Maine	21,854	22,773	25,097	3,466	3,771	3,917	9,688	9,510	11,747	838	905	1,164
Maryland	82,738	84,008	84,236	48,760	52,481	55,157	25,382	25,853	26,734	764	773	627
Massachusetts	87,240	86,806	85,934	44,520	46,079	45,445	182,274	185,110	184,812	11,459	10,079	9,759
Michigan	197,775	202,042	206,687	108,373	109,648	115,183	56,089	57,124	57,632	2,948	3,808	3,839
Minnesota	98,395	100,046	101,144	35,667	37,800	42,152	40,919	42,528	43,102	4,390	4,093	4,368
Mississippi	44,628	47,895	50,463	34,323	35,975	36,865	7,777	7,940	8,215	2,137	2,459	2,771
Missouri.....	91,051	94,799	98,734	32,395	34,278	39,360	58,267	60,244	62,240	3,041	2,610	2,621
Montana	23,384	23,821	24,660	2,600	2,333	3,494	2,522	2,625	2,589	436	814	832
Nebraska	43,993	45,111	46,761	15,650	16,329	16,856	12,789	13,490	14,047	402	400	593
Nevada	16,227	17,331	19,173	9,795	9,843	11,761	194	135	206	25	26	23
New Hampshire	18,604	19,476	18,348	4,326	3,900	4,431	18,381	19,526	19,206	1,624	1,853	1,269
New Jersey	97,755	98,765	100,389	59,252	63,235	67,939	42,547	42,490	42,817	2,008	2,282	2,977
New Mexico	37,313	37,902	38,269	17,190	16,898	17,875	1,362	1,538	1,511	---	---	---
New York	260,835	268,209	271,141	153,672	159,124	165,807	318,565	318,594	318,285	27,392	26,144	20,424
North Carolina	114,125	117,798	121,568	72,946	75,435	80,248	50,087	53,377	57,066	6,497	5,624	4,963
North Dakota	23,639	24,902	26,448	5,741	6,284	6,464	2,227	2,306	2,325	214	208	177
Ohio	222,912	231,376	234,679	68,833	69,853	72,815	85,069	88,023	89,114	13,770	19,662	16,120
Oklahoma	75,585	76,205	76,205	29,927	30,933	30,933	15,799	15,841	15,892	4,242	5,243	4,727

Table 15.--Full-time-equivalent enrollment in institutions of higher education, by control, type of institution, and state or other area: Fall 1987-1989--Continued

State or other area	Public 4-year			Public 2-year			Private 4-year			Private 2-year		
	1987	1988*	1989	1987	1988*	1989	1987	1988*	1989	1987	1988*	1989
Oregon	53,550	57,104	55,775	37,920	39,671	42,319	16,526	17,020	17,802	329	331	285
Pennsylvania	188,138	194,106	198,499	50,690	54,603	58,477	169,959	172,339	173,619	31,157	24,688	45,748
Rhode Island	18,127	18,814	19,433	7,174	7,762	7,988	29,977	30,516	30,302	---	---	---
South Carolina	61,931	64,759	64,759	25,547	27,419	26,364	20,304	20,871	20,391	4,752	4,569	4,316
South Dakota	19,903	20,155	20,954	---	---	---	5,734	5,866	5,915	475	267	249
Tennessee	83,023	85,700	88,581	30,571	31,251	35,880	37,846	40,531	41,033	5,219	5,184	5,736
Texas	301,826	316,064	329,223	188,611	203,016	208,486	74,905	75,705	76,617	3,406	3,973	4,423
Utah	40,644	40,910	42,414	14,769	15,089	17,160	26,235	27,783	29,096	965	875	890
Vermont	13,241	13,414	13,735	1,812	1,924	2,215	10,173	10,536	11,110	1,698	1,773	1,738
Virginia	126,016	129,165	132,868	61,874	59,548	66,180	36,759	40,278	43,970	1,306	2,626	2,207
Washington	70,316	70,990	71,245	80,880	83,986	85,666	25,012	26,813	26,258	1,372	1,706	1,898
West Virginia	46,677	49,071	51,116	5,936	6,029	6,594	6,115	6,328	6,020	1,560	2,024	2,175
Wisconsin	130,128	130,638	130,638	55,977	56,967	57,433	32,501	34,527	35,622	1,323	1,001	1,018
Wyoming	9,104	9,615	10,433	9,153	9,180	9,805	---	---	---	621	629	606
Outlying areas	49,548	49,887	48,546	7,046	7,430	7,751	70,271	74,148	74,223	8,723	9,023	9,172
American Samoa	---	---	---	556	584	644	---	---	---	---	---	---
Federated States of Micronesia	---	---	---	---	---	504	---	---	---	---	---	---
Guam	1,702	1,661	1,848	845	777	860	---	---	---	---	---	---
Northern Marianas	---	---	---	196	194	226	---	---	---	---	---	---
Palau	---	---	---	---	---	836	---	---	---	---	---	---
Puerto Rico	46,358	46,789	45,108	4,582	5,032	4,681	70,271	74,148	74,223	8,723	9,023	9,172
Trust Territory of the Pacific	---	---	---	867	843	---	---	---	---	---	---	---
Virgin Islands	1,488	1,437	1,590	---	---	---	---	---	---	---	---	---

--- Data not reported or not applicable.

* Data revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1987-1989).

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Appendices

Appendix A: Age Distributions

Appendix A presents enrollment data by age of student for institutions of higher education in the 50 states and the District of Columbia.

The reader is cautioned that the high proportion of "age unknown" data reported, particularly in the 2-year institutions of higher education raises questions regarding the validity of the age data. The reason for the high proportion of "age unknown" data is that many 2-year institutions were in the process of computerizing their data collection activities and were either unable to report their age data or unable to report in a timely manner. In the long run, the new computerized systems will provide better data in a more timely manner; however, in the short run, this change puts into question the 1989 age data. That is, while the numbers of students indicated by selected age categories are obviously underrepresented, the enrollment proportions shown by age are also somewhat suspect.

Tables A-1 and A-2 show enrollment by age with "age unknown" as reported (columns 1 and 2) and then as distributed in proportion to the reported data (columns 3 and 4). As indicated, the 1989 results "after" the "age unknown" data are distributed look quite similar to the 1987 distribution. Since only a small proportion of age data were reported as "age unknown" in 1987, the similarities in the 1987 and 1989 "after" distributions lends credibility to this "adjustment" approach. Built into this approach is the assumption that the age distribution of students whose age was not reported is similar to that of students whose age was reported. While it is not known whether this assumption is true, the similarities to the 1987 data indicate that this is a reasonable approach to follow . It is suggested that analysts using the 1989 enrollment data consider "adjusting" the distribution in a similar manner.

Table A-1.--Enrollment in institutions of higher education, by age with "age unknown" distributed in proportion to the reported data, fall 1987 and 1989

1987

Age	Number of students (before distribution)	Percent (before distribution)	Percent (after distribution)	Number of students (after distribution)
21 or younger	5,296	41.5	42.2	5,386
22-24	2,026	15.9	16.1	2,061
25-29	1,840	14.4	14.7	1,871
30 or older	3,392	26.6	27.0	3,450
Age unknown	215	1.7		
Total	12,768	100.0	100.0	12,768

1989

Age	Number of students (before distribution)	Percent (before distribution)	Percent (after distribution)	Number of students (after distribution)
21 or younger	5,226,878	38.8	43.7	5,879,844
22-24	1,860,154	13.8	15.5	2,092,533
25-29	1,711,589	12.7	14.3	1,925,409
30 or older	3,164,717	25.5	26.5	3,560,068
Age unknown	1,494,517	11.1		
Total	13,457,855	100.0	100.0	13,457,855

Note: Details may not add to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1987 and 1989).

Table A-2.--Enrollment in 2-year institutions of higher education, by age with "age unknown" distributed in proportion to the reported data, fall 1987 and 1989

1987

Age	Number of students (before distribution)	Percent (before distribution)	Percent (after distribution)	Number of students (after distribution)
21 or younger	1,683,666	35.3	35.7	1,705,373
22-24	615,810	12.9	13.1	623,749
25-29	731,695	15.3	15.5	741,129
30 or older	1,681,109	35.2	35.7	1,702,783
Age unknown	60,754	1.2		
Total	4,773,034	100.0	100.0	4,773,034

1989

Age	Number of students (before distribution)	Percent (before distribution)	Percent (after distribution)	Number of students (after distribution)
21 or younger	1,402,842	27.7	37.8	1,913,261
22-24	436,642	8.6	11.8	595,513
25-29	547,665	10.8	14.8	746,931
30 or older	1,322,317	26.1	35.6	1,803,437
Age unknown	1,349,675	26.7		
Total	5,059,141	100.0	100.0	5,059,141

Note: Details may not add to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" surveys (1987 and 1989).

Table A-3.--Undergraduate enrollment in institutions of higher education, by type of institution, sex, attendance status, and age: 50 states and D.C., fall 1989

Attendance status and age	All institutions			4-year			2-year 1/		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	11,665,643	5,277,774	6,387,869	6,582,182	3,090,917	3,491,265	5,083,461	2,186,857	2,896,604
Under 18	219,488	91,802	127,686	111,648	46,476	65,172	107,840	45,326	62,514
18-19	2,644,409	1,206,234	1,438,175	1,863,122	850,790	1,012,332	781,287	355,444	425,843
20-21	2,344,076	1,120,468	1,223,608	1,829,663	869,267	960,396	514,413	251,201	263,212
22-24	1,556,058	816,372	739,686	1,118,947	611,349	507,598	437,111	205,023	232,088
25-29	1,178,040	557,660	620,380	629,863	325,765	304,098	548,177	231,895	316,282
30-34	812,290	329,037	483,253	371,426	160,760	210,666	440,864	168,277	272,587
35-39	598,160	211,965	386,195	266,790	97,230	169,560	331,370	114,735	216,635
40-49	617,052	194,341	422,711	250,371	77,689	172,682	366,681	116,652	250,029
50-64	189,015	63,112	125,903	56,872	17,035	39,837	132,143	46,077	86,066
65 and over	66,325	24,978	41,347	14,366	5,809	8,557	51,959	19,169	32,790
Age unknown 2/	1,440,730	661,805	778,925	69,114	28,747	40,367	1,371,616	633,058	738,558
Full-time	6,808,366	3,266,721	3,541,645	4,976,524	2,406,029	2,570,495	1,831,842	860,692	971,150
Under 18	137,771	56,840	80,931	85,954	35,066	50,888	51,817	21,774	30,043
18-19	2,321,216	1,062,989	1,258,227	1,764,225	806,131	958,094	556,991	256,858	300,133
20-21	1,929,882	930,752	999,130	1,662,791	791,871	870,920	267,091	138,881	128,210
22-24	973,359	543,636	429,723	826,498	468,518	357,980	146,861	75,118	71,743
25-29	442,310	229,202	213,108	305,858	171,977	133,881	136,452	57,225	79,227
30-34	229,353	93,330	136,023	134,370	59,343	75,027	94,983	33,987	60,996
35-39	148,062	51,685	96,377	85,988	30,851	55,137	62,074	20,834	41,240
40-49	125,292	41,910	83,382	68,738	22,031	46,707	56,554	19,879	36,675
50-64	24,159	8,683	15,476	10,825	3,449	7,376	13,334	5,234	8,100
65 and over	5,127	2,314	2,813	2,049	854	1,195	3,078	1,460	1,618
Age unknown 2/	471,835	245,380	226,455	29,228	15,938	13,290	442,607	229,442	213,165
Part-time	4,857,277	2,011,053	2,846,224	1,605,658	684,888	920,770	3,251,619	1,326,165	1,925,454
Under 18	81,717	34,962	46,755	25,694	11,410	14,284	56,023	23,552	32,471
18-19	323,193	143,245	179,948	98,897	44,659	54,238	224,296	98,586	125,710
20-21	414,194	189,716	224,478	166,872	77,396	89,476	247,322	112,320	135,002
22-24	582,699	272,736	309,963	292,449	142,831	149,618	290,250	129,905	160,345
25-29	735,730	328,458	407,272	324,005	153,788	170,217	411,725	174,670	237,055
30-34	582,937	235,707	347,230	237,056	101,417	135,639	345,881	134,290	211,591
35-39	450,098	160,280	289,818	180,802	66,379	114,423	269,296	93,901	175,395
40-49	491,760	152,431	339,329	181,633	55,658	125,975	310,127	96,773	213,354
50-64	164,856	54,429	110,427	46,047	13,586	32,461	118,809	40,843	77,966
65 and over	61,198	22,664	38,534	12,317	4,955	7,362	48,881	17,709	31,172
Age unknown 2/	968,895	416,425	552,470	39,886	12,809	27,077	929,009	403,616	525,393

1/ Includes students enrolled in less-than-2-year institutions of higher education.

2/ Note the high proportion of "age unknown" data. See introduction and appendix A, tables 1 and 2 for cautions in using data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table A-4.--Enrollment in all institutions of higher education, by level of study, sex, attendance status, and age: 50 states and D.C., fall 1989

Attendance status and age	Total			Undergraduate			First-professional			Graduate		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	13,457,855	6,155,484	7,302,371	11,665,643	5,277,774	6,387,869	273,728	168,480	105,248	1,518,484	709,230	809,254
Under 18	220,098	92,120	127,978	219,488	91,802	127,686	45	37	8	565	281	284
18-19	2,645,031	1,206,530	1,438,501	2,644,409	1,206,234	1,438,175	231	126	105	391	170	221
20-21	2,361,749	1,129,182	1,232,567	2,344,076	1,120,468	1,223,608	8,148	4,279	3,869	9,525	4,435	5,090
22-24	1,860,154	973,168	886,986	1,556,058	816,372	739,686	98,775	59,843	38,932	205,321	96,953	108,368
25-29	1,711,589	851,350	860,239	1,178,040	557,660	620,380	94,743	62,040	32,703	438,806	231,650	207,156
30-34	1,131,246	498,808	632,438	812,290	329,037	483,253	32,035	20,176	11,859	286,921	149,595	137,326
35-39	836,156	316,966	519,190	598,160	211,965	386,195	16,819	9,627	7,192	221,177	95,374	125,803
40-49	876,567	287,531	589,036	617,052	194,341	422,711	12,161	6,132	6,029	247,354	87,058	160,296
50-64	248,103	83,428	164,675	189,015	63,112	125,903	2,429	1,260	1,169	56,659	19,056	37,603
65 and over	72,645	27,884	44,761	66,325	24,978	41,347	510	259	251	5,810	2,647	3,163
Age unknown*	1,494,517	688,517	806,000	1,440,730	661,805	778,925	7,832	4,701	3,131	45,955	22,011	23,944
Full-time	7,627,172	3,727,823	3,899,349	6,808,366	3,266,721	3,541,645	247,434	152,419	95,015	571,372	308,683	262,689
Under 18	137,958	56,952	81,006	137,771	56,840	80,931	42	35	7	145	77	68
18-19	2,321,636	1,063,225	1,258,411	2,321,216	1,062,989	1,258,227	229	124	105	191	112	79
20-21	1,945,008	938,439	1,006,569	1,929,882	930,752	999,130	8,086	4,242	3,844	7,040	3,445	3,595
22-24	1,196,848	666,177	530,671	973,359	543,636	429,723	95,904	58,113	37,791	127,585	64,428	63,157
25-29	724,036	401,482	322,554	442,310	229,202	213,108	86,649	56,870	29,779	195,077	115,410	79,667
30-34	356,350	169,633	186,717	229,353	93,330	136,023	26,233	16,359	9,874	100,764	59,944	40,820
35-39	221,486	89,333	132,153	148,062	51,685	96,377	12,650	7,220	5,430	60,774	30,428	30,346
40-49	189,020	68,713	120,307	125,292	41,910	83,382	8,207	4,019	4,188	55,521	22,784	32,737
50-64	36,047	13,342	22,705	24,159	8,683	15,476	1,532	755	777	10,356	3,904	6,452
65 and over	6,404	2,934	3,470	5,127	2,314	2,813	396	190	206	881	430	451
Age unknown*	492,379	257,593	234,786	471,835	245,380	226,455	7,506	4,492	3,014	13,038	7,721	5,317
Part-time	5,830,683	2,427,661	3,403,022	4,857,277	2,011,053	2,846,224	26,294	16,061	10,233	947,112	400,547	546,565
Under 18	82,140	35,168	46,972	81,717	34,962	46,755	3	2	1	420	204	216
18-19	323,395	143,305	180,090	323,193	143,245	179,948	2	2	0	200	58	142
20-21	416,741	190,743	225,998	414,194	189,716	224,478	62	37	25	2,485	990	1,495
22-24	663,306	306,991	356,315	582,699	272,736	309,963	2,871	1,730	1,141	77,736	32,525	45,211
25-29	987,553	449,868	537,685	735,730	328,458	407,272	8,094	5,170	2,924	243,729	116,240	127,489
30-34	774,896	329,175	445,721	582,937	235,707	347,230	5,802	3,817	1,985	186,157	89,651	96,506
35-39	614,670	227,633	387,037	450,098	160,280	289,818	4,169	2,407	1,762	160,403	64,946	95,457
40-49	687,547	218,818	468,729	491,760	152,431	339,329	3,954	2,113	1,841	191,833	64,274	127,559
50-64	212,056	70,086	141,970	164,856	54,429	110,427	897	505	392	46,303	15,152	31,151
65 and over	66,241	24,950	41,291	61,198	22,664	38,534	114	69	45	4,929	2,217	2,712
Age unknown*	1,002,138	430,924	571,214	968,895	416,425	552,470	326	209	117	32,917	14,290	18,627

* Note the high proportion of "age unknown" data. See introduction and appendix A, tables 1 and 2 for cautions in using data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table A-5.--Enrollment in 4-year institutions of higher education, by level of study, sex, attendance status, and age: 50 states and D.C., fall 1989

Age	Total			Undergraduate			First-professional			Graduate		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	8,374,394	3,968,627	4,405,767	6,582,182	3,090,917	3,491,265	273,728	168,480	105,248	1,518,484	709,230	809,254
Under 18	112,258	46,794	65,464	111,648	46,476	65,172	45	37	8	565	281	284
18-19	1,863,744	851,086	1,012,658	1,863,122	850,790	1,012,332	231	126	105	391	170	221
20-21	1,847,336	877,981	969,355	1,829,663	869,267	960,396	8,148	4,279	3,869	9,525	4,435	5,090
22-24	1,423,043	768,145	654,898	1,118,947	611,349	507,598	98,775	59,843	38,932	205,321	96,953	108,368
25-29	1,163,412	619,455	543,957	629,863	325,765	304,098	94,743	62,040	32,703	438,806	231,650	207,156
30-34	690,382	330,531	359,851	371,426	160,760	210,666	32,035	20,176	11,859	286,921	149,595	137,326
35-39	504,786	202,231	302,555	266,790	97,230	169,560	16,819	9,627	7,192	221,177	95,374	125,803
40-49	509,886	170,879	339,007	250,371	77,689	172,682	12,161	6,132	6,029	247,354	87,058	160,296
50-64	115,960	37,351	78,609	56,872	17,035	39,837	2,429	1,260	1,169	56,659	19,056	37,603
65 and over	20,686	8,715	11,971	14,366	5,809	8,557	510	259	251	5,810	2,647	3,163
Age unknown*	122,901	55,459	67,442	69,114	28,747	40,367	7,832	4,701	3,131	45,955	22,011	23,944
Full-time	5,795,330	2,867,131	2,928,199	4,976,524	2,406,029	2,570,495	247,434	152,419	95,015	571,372	308,683	262,689
Under 18	86,141	35,178	50,963	85,954	35,066	50,888	42	35	7	145	77	68
18-19	1,764,645	806,367	958,278	1,764,225	806,131	958,094	229	124	105	191	112	79
20-21	1,677,917	799,558	878,359	1,662,791	791,871	870,920	8,086	4,242	3,844	7,040	3,445	3,595
22-24	1,049,987	591,059	458,928	826,498	468,518	357,980	95,904	58,113	37,791	127,585	64,428	63,157
25-29	587,584	344,257	243,327	305,858	171,977	133,881	86,649	56,870	29,779	195,077	115,410	79,667
30-34	261,367	135,646	125,721	134,370	59,343	75,027	26,233	16,359	9,874	100,764	59,944	40,820
35-39	159,412	68,499	90,913	85,988	30,851	55,137	12,650	7,220	5,430	60,774	30,428	30,346
40-49	132,466	48,834	83,632	68,738	22,031	46,707	8,207	4,019	4,188	55,521	22,784	32,737
50-64	22,713	8,108	14,605	10,825	3,449	7,376	1,532	755	777	10,356	3,904	6,452
65 and over	3,326	1,474	1,852	2,049	854	1,195	396	190	206	881	430	451
Age unknown*	49,772	28,151	21,621	29,228	15,938	13,290	7,506	4,492	3,014	13,038	7,721	5,317
Part-time	2,579,064	1,101,496	1,477,568	1,605,658	684,888	920,770	26,294	16,061	10,233	947,112	400,547	546,565
Under 18	26,117	11,616	14,501	25,694	11,410	14,284	3	2	1	420	204	216
18-19	99,099	44,719	54,380	98,897	44,659	54,238	2	2	0	200	58	142
20-21	169,419	78,423	90,996	166,872	77,396	89,476	62	37	25	2,485	990	1,495
22-24	373,056	177,086	195,970	292,449	142,831	149,618	2,871	1,730	1,141	77,736	32,525	45,211
25-29	575,828	275,198	300,630	324,005	153,788	170,217	8,094	5,170	2,924	243,729	116,240	127,489
30-34	429,015	194,885	234,130	237,056	101,417	135,639	5,802	3,817	1,985	186,157	89,651	96,506
35-39	345,374	133,732	211,642	180,802	66,379	114,423	4,169	2,407	1,762	160,403	64,946	95,457
40-49	377,420	122,045	255,375	181,633	55,658	125,975	3,954	2,113	1,841	191,833	64,274	127,559
50-64	93,247	29,243	64,004	46,047	13,586	32,461	897	505	392	46,303	15,152	31,151
65 and over	17,360	7,241	10,119	12,317	4,955	7,362	114	69	45	4,929	2,217	2,712
Age unknown*	73,129	27,308	45,821	39,886	12,809	27,077	326	209	117	32,917	14,290	18,627

* Note the high proportion of "age unknown" data. See introduction and appendix A, tables 1 and 2 for cautions in using data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table A-6.--Enrollment in all public institutions of higher education, by level of study, sex, attendance status, and age: 50 states and D.C., fall 1989

Age	Total			Undergraduate			First-professional			Graduate		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	10,514,973	4,747,899	5,767,074	9,424,536	4,243,303	5,181,233	112,638	67,548	45,090	977,799	437,048	540,751
Under 18	171,850	70,991	100,859	171,599	70,859	100,740	25	21	4	226	111	115
18-19	2,008,949	924,454	1,084,495	2,008,591	924,298	1,084,293	102	57	45	256	99	157
20-21	1,773,417	852,904	920,513	1,764,185	848,585	915,600	3,607	1,763	1,844	5,625	2,556	3,069
22-24	1,464,237	760,956	703,281	1,283,496	670,736	612,760	45,508	27,348	18,160	135,233	62,872	72,361
25-29	1,307,853	633,889	673,964	983,127	461,903	521,224	41,630	26,385	15,245	283,096	145,601	137,495
30-34	884,791	375,283	509,508	680,947	272,149	408,798	12,456	7,169	5,287	191,388	95,965	95,423
35-39	658,603	240,448	418,155	502,147	175,976	326,171	5,508	2,867	2,641	150,948	61,605	89,343
40-49	689,337	218,771	470,566	520,455	163,112	357,343	2,769	1,254	1,515	166,113	54,405	111,708
50-64	203,225	67,900	135,325	166,404	56,425	109,979	274	153	121	36,547	11,322	25,225
65 and over	64,998	24,692	40,306	61,583	23,162	38,421	31	20	11	3,384	1,510	1,874
Age unknown 2/	1,287,713	577,611	710,102	1,282,002	576,098	705,904	728	511	217	4,983	1,002	3,981
Full-time	5,588,063	2,723,230	2,864,833	5,112,608	2,462,515	2,650,093	108,753	65,366	43,387	366,702	195,349	171,353
Under 18	99,760	40,750	59,010	99,676	40,696	58,980	25	21	4	59	33	26
18-19	1,706,748	789,752	916,996	1,706,527	789,631	916,896	101	56	45	120	65	55
20-21	1,396,762	678,963	717,799	1,388,857	675,141	713,716	3,595	1,758	1,837	4,310	2,064	2,246
22-24	903,143	500,031	403,112	771,741	429,752	341,989	45,105	27,120	17,985	86,297	43,159	43,138
25-29	517,590	279,939	237,651	349,559	179,225	170,334	40,289	25,630	14,659	127,742	75,084	52,658
30-34	261,184	118,580	142,604	181,270	71,730	109,540	11,508	6,630	4,878	68,406	40,220	28,186
35-39	161,337	61,443	99,894	116,015	39,037	76,978	4,898	2,539	2,359	40,424	19,867	20,557
40-49	133,796	45,628	88,168	97,041	31,359	65,682	2,288	993	1,295	34,467	13,276	21,191
50-64	25,480	9,381	16,099	19,331	7,089	12,242	212	111	101	5,937	2,181	3,756
65 and over	4,516	2,122	2,394	4,064	1,913	2,151	25	15	10	427	194	233
Age unknown 2/	377,747	196,641	181,106	378,527	196,942	181,585	707	493	214	-1487	-794	-693 1/
Part-time	4,926,910	2,024,669	2,902,241	4,311,928	1,780,788	2,531,140	3,885	2,182	1,703	611,097	241,699	369,398
Under 18	72,090	30,241	41,849	71,923	30,163	41,760	0	0	0	167	78	89
18-19	302,201	134,702	167,499	302,064	134,667	167,397	1	1	0	136	34	102
20-21	376,655	173,941	202,714	375,328	173,444	201,884	12	5	7	1,315	492	823
22-24	561,094	260,925	300,169	511,755	240,984	270,771	403	228	175	48,936	19,713	29,223
25-29	790,263	353,950	436,313	633,568	282,678	350,890	1,341	755	586	155,354	70,517	84,837
30-34	623,607	256,703	366,904	499,677	200,419	299,258	948	539	409	122,982	55,745	67,237
35-39	497,266	179,005	318,261	386,132	136,939	249,193	610	328	282	110,524	41,738	68,786
40-49	555,541	173,143	382,398	423,414	131,753	291,661	481	261	220	131,646	41,129	90,517
50-64	177,745	58,519	119,226	147,073	49,336	97,737	62	42	20	30,610	9,141	21,469
65 and over	60,482	22,570	37,912	57,519	21,249	36,270	6	5	1	2,957	1,316	1,641
Age unknown 2/	909,966	380,970	528,996	903,475	379,156	524,319	21	18	3	6,470	1,796	4,674

1/ Negative numbers reflect "adjustments" made to "Age unknown" in order to correct for misreported data.

2/ Note the high proportion of "age unknown" data. See introduction and appendix A, tables 1 and 2 for cautions in using data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table A-7.--Enrollment in all private institutions of higher education, by level of study, sex, attendance status, and age: 50 states and D.C., fall 1989

Age	Total			Undergraduate			First-professional			Graduate		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	2,942,882	1,407,585	1,535,297	2,241,107	1,034,471	1,206,636	161,090	100,932	60,158	540,685	272,182	268,503
Under 18	48,248	21,129	27,119	47,889	20,943	26,946	20	16	4	339	170	169
18-19	636,082	282,076	354,006	635,818	281,936	353,882	129	69	60	135	71	64
20-21	588,332	276,278	312,054	579,891	271,883	308,008	4,541	2,516	2,025	3,900	1,879	2,021
22-24	395,917	212,212	183,705	272,562	145,636	126,926	53,267	32,495	20,772	70,088	34,081	36,007
25-29	403,736	217,461	186,275	194,913	95,757	99,156	53,113	35,655	17,458	155,710	86,049	69,661
30-34	246,455	123,525	122,930	131,343	56,888	74,455	19,579	13,007	6,572	95,533	53,630	41,903
35-39	177,553	76,518	101,035	96,013	35,989	60,024	11,311	6,760	4,551	70,229	33,769	36,460
40-49	187,230	68,760	118,470	96,597	31,229	65,368	9,392	4,878	4,514	81,241	32,653	48,588
50-64	44,878	15,528	29,350	22,611	6,687	15,924	2,155	1,107	1,048	20,112	7,734	12,378
65 and over	7,647	3,192	4,455	4,742	1,816	2,926	479	239	240	2,426	1,137	1,289
Age unknown*	206,804	110,906	95,898	158,728	85,707	73,021	7,104	4,190	2,914	40,972	21,009	19,963
Full-time	2,039,109	1,004,593	1,034,516	1,695,758	804,206	891,552	138,681	87,053	51,628	204,670	113,334	91,336
Under 18	38,198	16,202	21,996	38,095	16,144	21,951	17	14	3	86	44	42
18-19	614,888	273,473	341,415	614,689	273,358	341,331	128	68	60	71	47	24
20-21	548,246	259,476	288,770	541,025	255,611	285,414	4,491	2,484	2,007	2,730	1,381	1,349
22-24	293,705	166,146	127,559	201,618	113,884	87,734	50,799	30,993	19,806	41,288	21,269	20,019
25-29	206,446	121,543	84,903	92,751	49,977	42,774	46,360	31,240	15,120	67,335	40,326	27,009
30-34	95,166	51,053	44,113	48,083	21,600	26,483	14,725	9,729	4,996	32,358	19,724	12,634
35-39	60,149	27,890	32,259	32,047	12,648	19,399	7,752	4,681	3,071	20,350	10,561	9,789
40-49	55,224	23,085	32,139	28,251	10,551	17,700	5,919	3,026	2,893	21,054	9,508	11,546
50-64	10,567	3,961	6,606	4,828	1,594	3,234	1,320	644	676	4,419	1,723	2,696
65 and over	1,888	812	1,076	1,063	401	662	371	175	196	454	236	218
Age unknown*	114,632	60,952	53,680	93,308	48,438	44,870	6,799	3,999	2,800	14,525	8,515	6,010
Part-time	903,773	402,992	500,781	545,349	230,265	315,084	22,409	13,879	8,530	336,015	158,848	177,167
Under 18	10,050	4,927	5,123	9,794	4,799	4,995	3	2	1	253	126	127
18-19	21,194	8,603	12,591	21,129	8,578	12,551	1	1	0	64	24	40
20-21	40,086	16,802	23,284	38,866	16,272	22,594	50	32	18	1,170	498	672
22-24	102,212	46,066	56,146	70,944	31,752	39,192	2,468	1,502	966	28,800	12,812	15,988
25-29	197,290	95,918	101,372	102,162	45,780	56,382	6,753	4,415	2,338	88,375	45,723	42,652
30-34	151,289	72,472	78,817	83,260	35,288	47,972	4,854	3,278	1,576	63,175	33,906	29,269
35-39	117,404	48,628	68,776	63,966	23,341	40,625	3,559	2,079	1,480	49,879	23,208	26,671
40-49	132,006	45,675	86,331	68,346	20,678	47,668	3,473	1,852	1,621	60,187	23,145	37,042
50-64	34,311	11,567	22,744	17,783	5,093	12,690	835	463	372	15,693	6,011	9,682
65 and over	5,759	2,380	3,379	3,679	1,415	2,264	108	64	44	1,972	901	1,071
Age unknown*	92,172	49,954	42,218	65,420	37,269	28,151	305	191	114	26,447	12,494	13,953

* Note the high proportion of "age unknown" data. See introduction and appendix A, tables 1 and 2 for cautions in using data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table A-8.--Enrollment in all institutions of higher education, by level of study, sex, attendance status, and age: 50 states and D.C., fall 1989

Attendance status and Age	All students			Level of study and sex of student								
				Undergraduate			First-professional			Graduate		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total.....	13,457,855	6,155,484	7,302,371	11,665,643	5,277,774	6,387,869	273,728	168,480	105,248	1,518,484	709,230	809,254
Age												
21 or younger.....	5,226,878	2,427,832	2,799,046	5,207,973	2,418,504	2,789,469	8,424	4,442	3,982	10,481	4,886	5,595
22-24.....	1,860,154	973,168	886,986	1,556,058	816,372	739,686	98,775	59,843	38,932	205,321	96,953	108,368
25-29.....	1,711,589	851,350	860,239	1,178,040	557,660	620,380	94,743	62,040	32,703	438,806	231,650	207,156
30 or older.....	3,164,717	1,214,617	1,950,100	2,282,842	823,433	1,459,409	63,954	37,454	26,500	817,921	353,730	464,191
Unknown*.....	1,494,517	688,517	806,000	1,440,730	661,805	778,925	7,832	4,701	3,131	45,955	22,011	23,944
Full-time												
Total.....	7,627,172	3,727,823	3,899,349	6,808,366	3,266,721	3,541,645	247,434	152,419	95,015	571,372	308,683	262,689
Age												
21 or younger.....	4,404,602	2,058,616	2,345,986	4,388,869	2,050,581	2,338,288	8,357	4,401	3,956	7,376	3,634	3,742
22-24.....	1,196,848	666,177	530,671	973,359	543,636	429,723	95,904	58,113	37,791	127,585	64,428	63,157
25-29.....	724,036	401,482	322,554	442,310	229,202	213,108	86,649	56,870	29,779	195,077	115,410	79,667
30 or older.....	809,307	343,955	465,352	531,993	197,922	334,071	49,018	28,543	20,475	228,296	117,490	110,806
Unknown*.....	492,379	257,593	234,786	471,835	245,380	226,455	7,506	4,492	3,014	13,038	7,721	5,317
Part-time												
Total.....	5,830,683	2,427,661	3,403,022	4,857,277	2,011,053	2,846,224	26,294	16,061	10,233	947,112	400,547	546,565
Age												
21 or younger.....	822,276	369,216	453,060	819,104	367,923	451,181	67	41	26	3,105	1,252	1,853
22-24.....	663,306	306,991	356,315	582,699	272,736	309,963	2,871	1,730	1,141	77,736	32,525	45,211
25-29.....	987,553	449,868	537,685	735,730	328,458	407,272	8,094	5,170	2,924	243,729	116,240	127,489
30 or older.....	2,355,410	870,662	1,484,748	1,750,849	625,511	1,125,338	14,936	8,911	6,025	589,625	236,240	353,385
Unknown*.....	1,002,138	430,924	571,214	968,895	416,425	552,470	326	209	117	32,917	14,290	18,627

* Note the high proportion of "age unknown" data. See introduction and appendix A, tables 1 and 2 for cautions in using data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Appendix B: Survey Methodology

Scope

Data collected through the 1989 "Fall Enrollment" survey represent the universe of 10,673 postsecondary institutions in the United States and its outlying areas in operation in 1989. The universe of postsecondary institutions was determined by the IPEDS Institutional Characteristics (IC) survey, conducted annually by NCES. Using the IC list of institutions, the Fall Enrollment survey was mailed to all 4-year-and-above, 2-but-less-than-4-year, and public less-than-2-year institutions, and to a sample of all private less-than-2-year institutions.

Table B-1 shows the final in-scope universe of institutions receiving the "Fall Enrollment" survey, the number of in-scope institutions that responded to the survey, and the unweighted response rates. The unweighted response rate is based on the number of in-scope institutions responding to the survey divided by the number of in-scope institutions receiving the survey.[1]

Table B-1.--Number of institutions in the 1989 "Fall Enrollment" survey and survey response rates

Level and control of institution	In-scope institutions receiving survey	Institutions responding	Unweighted response rate
Total	6,714	5,016	74.7
Universe of:			
4-year	2,593	2,155	83.1
2-year	2,742	1,806	65.9
Less-than-2-year public	284	199	70.1
Sample of:			
Less-than-2-year private	1,095	856	78.2

Data in this report represent a subset of the above counts, and reflect enrollment statistics for institutions of higher education (i.e.,those institutions accredited at the college level by an agency recognized by the Secretary of Education). These institutions (formerly known as HEGIS institutions) were surveyed on a census basis and the overall response rate was 86.1 percent.

[1]See table B-2 and table B-3 for detailed response rates for 50 states and D.C., by type and control of institution and state.

Followup, Editing

Nonresponding institutions were contacted by letter and telephone beginning December 1989, as part of survey followup procedures. These institutions were asked to provide total male and female enrollment, or at the minimum, total enrollment.

Data were edited for major reporting and processing errors. Generated totals were compared to reported totals and generated totals replaced the reported totals when there was a difference that was within an acceptable range of tolerance. (On the raw file, the imputation flag for generated totals is "1".) Institutions were contacted to resolve major reporting discrepancies. All data cells also were compared to the prior year's response for consistency of reporting. If inconsistencies were identified, institutions were contacted to confirm or correct the data.

While the data have been edited extensively, one institution in Maine and one institution in Nevada reported incorrect data for the fall of 1988, causing inflated percentage changes in enrollment from 1988 to 1989. These two institutions were encouraged to correct their 1988 data; however, they choose only to provide "estimated" total enrollment figures for 1988 (i.e., see footnote 3 for specific estimated counts). A third state (Florida) reported incorrect data for their community college system (in 1989) and was unable to make the necessary corrections in a timely manner. This has resulted in an inflated percent change in enrollment from 1988 to 1989. [2]

Data for the sample of private less-than-2-year institutions was primarily collected using a computer assisted telephone interviewing (CATI) system. CATI data went through the same editing process as data received on survey forms and data tapes.

Imputation Procedures

Data were imputed for total nonresponding institutions (i.e., 13.9 percent of the HEGIS institutions did not respond to the "Fall Enrollment" survey) and for institutions that did not respond to specific data items. Among institutions of higher education that did not respond to specific items, imputed data for items shown in the tables of this report accounted for about 7 percent of the enrollment in 4-year institutions and about 15 percent of the enrollment in 2-year institutions.

The following imputation procedures were used:

- For institutions with a valid report to the survey in 1988, but not in 1989, imputations for form and/or item nonresponse were based on their 1988 response,[3]

- Imputations for all items for institutions with no prior-year survey response were based on

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[2]It is estimated that the 1988 enrollment count in Maine was 5,100 short; and in Nevada 2,000 short. If these estimates of incorrect enrollments are accounted for, then the 1988 enrollment in Maine would increase from 47,903 to 53,003 and the year to year percentage change would be reduced from 21.6 percent to 9.9 percent; and in Nevada the 1988 enrollment would increase from 48,832 to 50,832, and the year to year percentage change would be reduced from 15.6 percent to 11.1 percent. It is estimated that the 1989 enrollment count for Florida is 15,000 too high. If our estimate of the over-estimate of enrollment is accurate then the 1989 enrollment (in Florida) would go from about 573,712 to 558,712 and the year to year percentage change would be reduced from 11.3 percent to 8.0 percent.

[3]When no data were reported in 1989, the 1988 data were used "as reported"; when partial data (e.g., totals/subtotals) were reported in 1989, the 1988 data were used proportionally so that detailed data summed to totals.

hot deck matching to 1989 survey respondents having valid reports.[4]

For nonresponding HEGIS institutions in the sample of private less-than 2-year schools, data were imputed as just described; however, data for the nonresponding non-HEGIS schools in the sample were not imputed. Instead, weights of the responding sample institutions were adjusted to account for nonresponse.

[4]Hot deck matching involves inserting individual values drawn from similar responding units. Imputations for schools with no prior response were based on hot deck matching to similar institutions that provided valid reports. These matches were selected from stratifications of institutions by enrollment size and sector. Sector is determined by institutional control (public, private nonprofit, or private for-profit) and highest level of offering (4-year-and-above, 2-but-less-than-4-year, or less-than-2-year).

Table B-2.-- Unweighted number and response rates of postsecondary institutions receiving the "Fall Enrollment" survey, by control and type of institution: 50 states and D.C., fall 1989

Level of institution	Total	Public	Private		
			Total	Nonprofit	For-profit
Institutions receiving survey					
All postsecondary	6,598	2,090	4,508	2,627	1,881
4-year-and-above	2,540	610	1,930	1,827	103
2-but-less-than-4-year	2,704	1,197	1,507	716	791
Less-than-2-year	1,354	283	1,071	84	987
Higher education	3,525	1,560	1,965	1,650	315
4-year-and-above	2,123	595	1,528	1,475	53
2-but-less-than-4-year	1,380	963	417	172	245
Less-than-2-year	22	2	20	3	17
Other postsecondary	3,073	530	2,543	977	1,566
4-year-and-above	417	15	402	352	50
2-but-less-than-4-year	1,324	234	1,090	544	546
Less-than-2-year	1,332	281	1,051	81	970
Institutions responding to survey					
All postsecondary	4,942	1,699	3,243	1,931	1,312
4-year-and-above	2,108	555	1,553	1,479	74
2-but-less-than-4-year	1,790	945	845	384	461
Less-than-2-year	1,044	199	845	68	777
Higher education	3,036	1,347	1,689	1,458	231
4-year-and-above	1,919	549	1,370	1,323	47
2-but-less-than-4-year	1,101	798	303	133	170
Less-than-2-year	16	--	16	2	14
Other postsecondary	1,906	352	1,554	473	1,081
4-year-and-above	189	6	183	156	27
2-but-less-than-4-year	689	147	542	251	291
Less-than-2-year	1,028	199	829	66	763
Response rates					
All postsecondary	74.9	81.3	71.9	73.5	69.8
4-year-and-above	83.0	91.0	80.5	81.0	71.8
2-but-less-than-4-year	66.2	78.9	56.1	53.6	58.3
Less-than-2-year	77.1	70.3	78.9	81.0	78.7
Higher education	86.1	86.3	86.0	88.4	73.3
4-year-and-above	90.4	92.3	89.7	89.7	88.7
2-but-less-than-4-year	79.8	82.9	72.7	77.3	69.4
Less-than-2-year	72.7	--	80.0	66.7	82.4
Other postsecondary	62.0	66.4	61.1	48.4	69.0
4-year-and-above	45.3	40.0	45.5	44.3	54.0
2-but-less-than-4-year	52.0	62.8	49.7	46.1	53.3
Less-than-2-year	77.2	70.8	78.9	81.5	78.7

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Table B-3.--Survey response rates of institutions of higher education, by control and state or other area: "Fall Enrollment" 1989: 50 states and D.C.

State	All institutions			Public institutions			Private institutions		
	Total	Respondents	Percent responding	Total	Respondents	Percent responding	Total	Respondents	Percent responding
50 states and D.C.....	3,525	3,036	86.1	1,560	1,347	86.3	1,965	1,689	86.0
Alabama.....	87	78	89.7	55	55	100.0	32	23	71.9
Alaska.....	8	7	87.5	3	3	100.0	5	4	80.0
Arizona.....	37	31	83.8	20	17	85.0	17	14	82.4
Arkansas.....	37	34	91.9	20	20	100.0	17	14	82.4
California.....	310	174	56.1	138	30	21.7	172	144	83.7
Colorado.....	55	52	94.5	29	28	96.6	26	24	92.3
Connecticut.....	49	48	98.0	25	25	100.0	24	23	95.8
Delaware.....	10	10	100.0	5	5	100.0	5	5	100.0
District of Columbia.....	17	17	100.0	2	2	100.0	15	15	100.0
Florida.....	95	77	81.1	38	35	92.1	57	42	73.7
Georgia.....	95	78	82.1	47	45	95.7	48	33	68.8
Hawaii.....	14	14	100.0	9	9	100.0	5	5	100.0
Idaho.....	11	11	100.0	6	6	100.0	5	5	100.0
Illinois.....	164	162	98.8	59	59	100.0	105	103	98.1
Indiana.....	78	75	96.2	28	28	100.0	50	47	94.0
Iowa.....	58	56	96.6	18	18	100.0	40	38	95.0
Kansas.....	55	51	92.7	30	29	96.7	25	22	88.0
Kentucky.....	59	52	88.1	22	21	95.5	37	31	83.8
Louisiana.....	34	32	94.1	20	20	100.0	14	12	85.7
Maine.....	31	30	96.8	13	13	100.0	18	17	94.4
Maryland.....	58	58	100.0	34	34	100.0	24	24	100.0
Massachusetts.....	117	113	96.6	30	29	96.7	87	84	96.6
Michigan.....	97	97	100.0	44	44	100.0	53	53	100.0
Minnesota.....	80	74	92.5	36	34	94.4	44	40	90.9
Mississippi.....	47	46	97.9	29	29	100.0	18	17	94.4
Missouri.....	89	83	93.3	27	27	100.0	62	56	90.3
Montana.....	18	16	88.9	12	11	91.7	6	5	83.3
Nebraska.....	36	36	100.0	20	20	100.0	16	16	100.0
Nevada.....	8	8	100.0	6	6	100.0	2	2	100.0
New Hampshire.....	29	23	79.3	12	9	75.0	17	14	82.4
New Jersey.....	62	62	100.0	33	33	100.0	29	29	100.0
New Mexico.....	26	24	92.3	22	20	90.9	4	4	100.0
New York.....	326	265	81.3	92	91	98.9	234	174	74.4
North Carolina.....	126	122	96.8	74	74	100.0	52	48	92.3
North Dakota.....	20	18	90.0	15	13	86.7	5	5	100.0
Ohio.....	152	136	89.5	62	61	98.4	90	75	83.3
Oklahoma.....	47	2	4.3	28	--	--	19	2	10.5
Oregon.....	46	46	100.0	21	21	100.0	25	25	100.0
Pennsylvania.....	217	190	87.6	61	59	96.7	156	131	84.0
Rhode Island.....	11	11	100.0	3	3	100.0	8	8	100.0
South Carolina.....	64	9	14.1	33	1	3.0	31	8	25.8
South Dakota.....	19	19	100.0	7	7	100.0	12	12	100.0
Tennessee.....	86	83	96.5	24	24	100.0	62	59	95.2
Texas.....	173	163	94.2	107	103	96.3	66	60	90.9
Utah.....	14	13	92.9	9	9	100.0	5	4	80.0
Vermont.....	22	21	95.5	6	6	100.0	16	15	93.8
Virginia.....	78	77	98.7	39	39	100.0	39	38	97.4
Washington.....	55	54	98.2	33	33	100.0	22	21	95.5
West Virginia.....	28	27	96.4	16	16	100.0	12	11	91.7
Wisconsin.....	61	42	68.9	30	15	50.0	31	27	87.1
Wyoming.....	9	9	100.0	8	8	100.0	1	1	100.0

SOURCE: U.S. Department of Education, National Center for Education Statistics, "Fall Enrollment" survey, 1989.

Appendix C: Glossary

Degree-seeking students. Students enrolled in courses for credit who are recognized by the institution as seeking a degree or formal award. At the undergraduate level, this is intended to include students enrolled in vocational or occupational programs.

First-professional student. A student enrolled in any of the following degree programs:

Chiropractic (D.C. or D.C.M.)
Dentistry (D.D.S. or D.M.D.)
Medicine (M.D.)
Optometry (O.D.)
Osteopathic Medicine (D.O.)
Pharmacy (D.Phar.)
Podiatry (Pod.D. or D.P.)
Veterinary Medicine (D.V.M.)
Law (L.L.B., J.D.)
Theology (M.Div. or M.H.L. or B.D.)

First-time freshman. An entering freshman who has never attended any college. Includes students enrolled in the fall term who attended college for the first time in the prior summer term. Also includes students who entered with advanced standing (college credits earned before graduation from high school).

Four-year-and-above institutions. Institutions or subsidiaries with a primary purpose of providing postsecondary education that award at least a 4-year degree or higher in one or more programs.

Fourth year and beyond. An undergraduate student who has completed the equivalent of three years of full-time undergraduate work, that is, at least 90 semester hours in a 120-hour degree program.

Freshman. A first-year undergraduate student.

Full-time student.

Undergraduate:	A student enrolled for 12 or more semester credits; or 12 or more quarter credits; or 24 contact hours a week each term.
Graduate:	A student enrolled for 9 or more semester credits, or 9 or more quarter credits.
First-professional:	As defined by the institution.

Graduate student. A student who holds a bachelor's or first-professional degree, or equivalent, and is taking courses at the postbaccalaureate level. These students may or may not be enrolled in graduate programs.

Less-than-2-year institutions. Institutions or subsidiaries that have a primary purpose of providing postsecondary education and that have programs, lasting less than 2 years, that result in a terminal occupational award, or are creditable toward a formal 2-year-or-higher award.

Non-degree seeking students. Students enrolled in courses for credit who are not recognized by the institution as seeking a degree or formal award.

Part-time student.

Undergraduate:	A student enrolled for either 11 semester credits or less, or 11 quarter credits or less, or less than 24 contact hours per week.
Graduate:	A student enrolled for either 8 semester credits or less, or 8 quarter credits or less.
First-Professional:	As defined by the institution.

Postbaccalaureate student. A student with a bachelor's degree, enrolled in graduate of first-professional courses.

Public institution. An educational institution whose programs and activities are operated by publicly elected or appointed school officials and which is supported primarily by public funds.

Private institution. An educational institution controlled by a private individual(s) or by a nongovernmental agency, usually supported primarily by other than public funds, and operated by other than publicly elected or appointed officials.

Private institution (for-profit). A private institution in which the individual(s) or agency in control receives compensation other than wages or rent for the assumption of risk.

Private institution (nonprofit). A private institution in which the individual(s) or agency in control receives no compensation, as distinguished from wages or rent, for the assumption of risk. These include both independent nonprofit schools and those affiliated with a religious organization.

Second-year student. A student who has completed the equivalent of one year of full-time undergraduate work, that is, at least 30 semesters hours but less that 60 semester hours in a 120-hour program.

Third-year student. A student who has completed the equivalent of 2 years of full-time undergraduate work, that is, at least 60 semester hours, but less than 90 semester hours in 120-hour program.

Two-year institutions. Institutions or subsidiaries that have a primary purpose of providing postsecondary education and that confer at least a 2-year formal award (certificate, diploma, or associate's degree), or have a 2-year program that is creditable toward a baccalaureate, but do not award a baccalaureate or higher degree.

Unclassified student. A student taking courses creditable toward a degree or other formal award who cannot be classified by academic level. For example, this could include a transfer student whose earned credits have not been determined at the time of the fall report.

Undergraduate. A student enrolled in a 4-year or 5-year bachelor's degree program, in an associate's degree program, or in a vocational or technical program below the baccalaureate.

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